

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Butte County Department of Public Works

| Waterway              | Bank  | Unit Miles | Inspection Start/End     | Inspector      |
|-----------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 Mud Creek | Right | 6.80       | 04/10/2019<br>04/10/2019 | Makar<br>Sokol |

|   |                                |              |                        |            |          |
|---|--------------------------------|--------------|------------------------|------------|----------|
| LM Start                                  |                                | Rating **    | A                      | Issue No.  | <b>6</b> |
| LM End                                    |                                | Issue Type + | Ma                     | Location * | N/A      |
| Category                                  | Earthen Levee                  |              | GPS Latitude/Longitude |            |          |
|   |                                |              | Start                  | End        |          |
| Item                                      | Emergency Supplies & Equipment |              |                        |            |          |
| DWR ID                                    | DWR_NA0003_01_s_2013_6         |              |                        |            |          |
| Comment Code                              |                                |              |                        |            |          |
| Inspector Comment                         |                                |              |                        |            |          |
| LMA has flood fight supplies & equipment. |                                |              |                        |            |          |

No Photos

|   |                               |              |                        |            |           |
|---|-------------------------------|--------------|------------------------|------------|-----------|
| LM Start  |                               | Rating **    | A                      | Issue No.  | <b>10</b> |
| LM End  |                               | Issue Type + | Ma                     | Location * | N/A       |
| Category  | Earthen Levee                 |              | GPS Latitude/Longitude |            |           |
|   |                               |              | Start                  | End        |           |
| Item  | Flood Preparedness & Training |              |                        |            |           |
| DWR ID  | DWR_NA0003_01_s_2013_10       |              |                        |            |           |
| Comment Code                                    |                               |              |                        |            |           |
| Inspector Comment                               |                               |              |                        |            |           |
| The LMA completed flood fight training in 2016. |                               |              |                        |            |           |

No Photos

|                          |                                  |              |                        |            |           |
|--------------------------|----------------------------------|--------------|------------------------|------------|-----------|
| LM Start                 |                                  | Rating **    | A                      | Issue No.  | <b>58</b> |
| LM End                   |                                  | Issue Type + | Ma                     | Location * | N/A       |
| Category                 | Earthen Levee                    |              | GPS Latitude/Longitude |            |           |
|                          |                                  |              | Start                  | End        |           |
| Item                     | Operations & Maintenance Manuals |              |                        |            |           |
| DWR ID                   | DWR_NA0003_01_f_2017_58          |              |                        |            |           |
| Comment Code             |                                  |              |                        |            |           |
| Inspector Comment        |                                  |              |                        |            |           |
| The LMA has O&M Manuals. |                                  |              |                        |            |           |

No Photos

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

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|-----------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Mud Creek | Right | 6.80       | 04/10/2019<br>04/10/2019 | Makar Sokol |

|  |                             |              |     |                        |               |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 0.25                        | Rating **    | A/W | Issue No.              | 64            |
| LM End   | 0.25                        | Issue Type + | Ma  | Location *             |               |
| Category   | Supplemental                |              |     | GPS Latitude/Longitude |               |
|  |                             |              |     | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |     | 39.729219 °            | 39.729219 °   |
|  |                             |              |     | -121.933437 °          | -121.933437 ° |
| DWR ID   | 19209                       |              |     |                        |               |
| Comment Code   |                             |              |     |                        |               |
|  |                             |              |     |                        |               |
| Inspector Comment  |                             |              |     |                        |               |
| FS_ID:29705<br>DS_ID:19209<br>EP_NO: N/A<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments: Looks cleaned recently.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.26)].<br>FS Date: 2/20/2014 |                             |              |     |                        |               |

|          |             |              |     |            |                  |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | <b>0.25</b> | Rating **    | A/W | Issue No.  | <b>64 (cont)</b> |
| LM End   | <b>0.25</b> | Issue Type + | Ma  | Location * |                  |

Photo 1 of 3 : UCIP\_SP\_2019\_29705\_54924.jpg



WS view: U typed concrete headwall, flapgate on levee slope.

Photo 2 of 3 : UCIP\_SP\_2019\_29705\_54923.jpg



LS view: U typed concrete headwall, CMP on levee slope.

|  |  |  |  |   |  |   |  |
|--|--|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|--|--|---|--|---|--|



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| Waterway              | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|-----------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Mud Creek | Right | 6.80       | 04/10/2019<br>04/10/2019 | Makar Sokol |

|   |                             |              |    |                        |           |               |
|---|-----------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start  | 1.00                        | Rating **    | M  | Issue No.              | 65 (cont) |               |
| LM End  | 1.00                        | Issue Type + | Ma | Location *             |           |               |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |           |               |
|   |                             |              |    | Start                  |           | End           |
| Item  | DWR UCIP LMA Responsibility |              |    | 39.739268 °            |           | 39.739268 °   |
|   |                             |              |    | -121.931891 °          |           | -121.931891 ° |
| DWR ID  | 19211                       |              |    |                        |           |               |
| Comment Code  |                             |              |    |                        |           |               |
|   |                             |              |    |                        |           |               |
| Inspector Comment   |                             |              |    |                        |           |               |
| FS_ID:32044<br>DS_ID:19211<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Vegetation debris on waterside. Needs clearing and cleaning.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 1.03)].<br>FS Date: 2/20/2014 |                             |              |    |                        |           |               |

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>1.00</b> | Rating **    | M  | Issue No.  | <b>65 (cont)</b> |
| LM End   | <b>1.00</b> | Issue Type + | Ma | Location * |                  |

Photo 2 of 3 : UCIP\_SP\_2019\_32044\_58542.jpg



WS view: vegetation debris blocking outlet.

Photo 3 of 3 : UCIP\_SP\_2019\_32044\_58541.jpg



LS view: U typed concrete headwall and CMP on levee slope.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
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|-----------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Mud Creek | Right | 6.80       | 04/10/2019<br>04/10/2019 | Makar Sokol |

|  |                             |              |     |                        |               |  |
|--|-----------------------------|--------------|-----|------------------------|---------------|--|
| LM Start   | 1.90                        | Rating **    | A/W | Issue No.              | 66            |  |
| LM End   | 1.90                        | Issue Type + | Ma  | Location *             |               |  |
| Category   | Supplemental                |              |     | GPS Latitude/Longitude |               |  |
|  |                             |              |     | Start                  | End           |  |
| Item   | DWR UCIP LMA Responsibility |              |     | 39.747563 °            | 39.747563 °   |  |
|  |                             |              |     | -121.920170 °          | -121.920170 ° |  |
| DWR ID   | 19212                       |              |     |                        |               |  |
| Comment Code   |                             |              |     |                        |               |  |
|  |                             |              |     |                        |               |  |
| Inspector Comment  |                             |              |     |                        |               |  |
| FS_ID:50142<br>DS_ID:19212<br>EP_NO: N/A<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments: 08/29/2016: Shawn Bates of NA0003 has cleared the LS and WS of debris and blockage; WS gate functions properly now. Crossing has been downgraded from Urgent to No Action Needed. (K. Fazel - UCIP)08/11/2016: Same as last inspection. (K. Fazel - UCIP)02/20/2014: No riprap spillway on waterside. Needs cleaning and clearing of debris. Flap gate was not fully closed. (P. Amatya - UCIP)<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 13 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 504, May 1965, (HLM 1.95)].<br>FS Date: 8/11/2016 |                             |              |     |                        |               |  |

|          |             |              |     |            |                  |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | <b>1.90</b> | Rating **    | A/W | Issue No.  | <b>66 (cont)</b> |
| LM End   | <b>1.90</b> | Issue Type + | Ma  | Location * |                  |

Photo 1 of 3 : UCIP\_SP\_2019\_50142\_55886.jpg



WS view: U type concrete headwall, flapgate on levee slope. Gate was not fully closed.

Photo 2 of 3 : UCIP\_SP\_2019\_50142\_55885.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris blocking inlet.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

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|-----------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Mud Creek | Right | 6.80       | 04/10/2019<br>04/10/2019 | Makar Sokol |

|  |                             |              |     |                        |               |  |
|--|-----------------------------|--------------|-----|------------------------|---------------|--|
| LM Start   | 1.90                        | Rating **    | A/W | Issue No.              | 66 (cont)     |  |
| LM End   | 1.90                        | Issue Type + | Ma  | Location *             |               |  |
| Category   | Supplemental                |              |     | GPS Latitude/Longitude |               |  |
|  |                             |              |     | Start                  | End           |  |
| Item   | DWR UCIP LMA Responsibility |              |     | 39.747563 °            | 39.747563 °   |  |
|  |                             |              |     | -121.920170 °          | -121.920170 ° |  |
| DWR ID   | 19212                       |              |     |                        |               |  |
| Comment Code   |                             |              |     |                        |               |  |
|  |                             |              |     |                        |               |  |
| Inspector Comment  |                             |              |     |                        |               |  |
| FS_ID:50142  |                             |              |     |                        |               |  |
| DS_ID:19212  |                             |              |     |                        |               |  |
| EP_NO: N/A   |                             |              |     |                        |               |  |
| Repair Type: No Action Needed  |                             |              |     |                        |               |  |
| Crossing Status: Found   |                             |              |     |                        |               |  |
| UCIP Comments: 08/29/2016: Shawn Bates of NA0003 has cleared the       |                             |              |     |                        |               |  |
| LS and WS of debris and blockage; WS gate functions properly now.      |                             |              |     |                        |               |  |
| Crossing has been downgraded from Urgent to No Action Needed. (K.      |                             |              |     |                        |               |  |
| Fazel - UCIP)08/11/2016: Same as last inspection. (K. Fazel -          |                             |              |     |                        |               |  |
| UCIP)02/20/2014: No riprap spillway on waterside. Needs cleaning       |                             |              |     |                        |               |  |
| and clearing of debris. Flap gate was not fully closed. (P. Amatya -   |                             |              |     |                        |               |  |
| UCIP)  |                             |              |     |                        |               |  |
| FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe      |                             |              |     |                        |               |  |
| through the levee, 13 feet below the crown. Flap gate on the waterside |                             |              |     |                        |               |  |
| (WS) end. Concrete U-shaped headwall on each end. Grouted riprap       |                             |              |     |                        |               |  |
| apron on the landside (LS) end. Grouted riprap spillway on the WS end. |                             |              |     |                        |               |  |
| [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento        |                             |              |     |                        |               |  |
| O&M Manual 504, May 1965, (HLM 1.95)].                                 |                             |              |     |                        |               |  |
| FS Date: 8/11/2016   |                             |              |     |                        |               |  |

Photo 3 of 3 : UCIP\_SP\_2019\_50142\_55884.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 3.01                    | Rating **    | M  | Issue No.              | 52            |
| LM End   | 3.01                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Trim / Thin Trees       |              |    | 39.760888 °            | 39.760888 °   |
|  |                         |              |    | -121.911309 °          | -121.911309 ° |
| DWR ID   | DWR_NA0003_01_s_2019_52 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| The almond tree should be removed from the landside shoulder.              |                         |              |    |                        |               |

No Photos

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

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| Waterway              | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|-----------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Mud Creek | Right | 6.80       | 04/10/2019<br>04/10/2019 | Makar Sokol |

|  |                             |              |    |                        |               |  |
|--|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start   | 3.03                        | Rating **    | M  | Issue No.              | 68            |  |
| LM End   | 3.03                        | Issue Type + | Ma | Location *             |               |  |
| Category   | Supplemental                |              |    | GPS Latitude/Longitude |               |  |
|  |                             |              |    | Start                  | End           |  |
| Item   | DWR UCIP LMA Responsibility |              |    | 39.761224 °            | 39.761224 °   |  |
|  |                             |              |    | -121.911108 °          | -121.911108 ° |  |
| DWR ID   | 19216                       |              |    |                        |               |  |
| Comment Code   |                             |              |    |                        |               |  |
|  |                             |              |    |                        |               |  |
| Inspector Comment  |                             |              |    |                        |               |  |
| FS_ID:30294<br>DS_ID:19216<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Inlet and outlet needs cleaning and clearing of debris.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end.<br>[Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.11)].<br>FS Date: 2/20/2014 |                             |              |    |                        |               |  |

Photo 1 of 2 : UCIP\_SP\_2019\_30294\_55704.jpg



WS view: U type concrete headwall, flapgate on levee slope.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>3.03</b> | Rating **    | M  | Issue No.  | <b>68 (cont)</b> |
| LM End   | <b>3.03</b> | Issue Type + | Ma | Location * |                  |

Photo 2 of 2 : UCIP\_SP\_2019\_30294\_55703.jpg



LS view: U type concrete headwall and CMP on levee slope. Debris blocking the inlet pipe.

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable  |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|  |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  |   |  |



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|-----------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Mud Creek | Right | 6.80       | 04/10/2019<br>04/10/2019 | Makar Sokol |

|   |                             |              |    |                        |               |
|---|-----------------------------|--------------|----|------------------------|---------------|
| LM Start  | 3.18                        | Rating **    | M  | Issue No.              | 69            |
| LM End  | 3.18                        | Issue Type + | Ma | Location *             |               |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |               |
|   |                             |              |    | Start                  | End           |
| Item  | DWR UCIP LMA Responsibility |              |    | 39.763067 °            | 39.763067 °   |
|   |                             |              |    | -121.909608 °          | -121.909608 ° |
| DWR ID  | 19217                       |              |    |                        |               |
| Comment Code  |                             |              |    |                        |               |
|   |                             |              |    |                        |               |
| Inspector Comment   |                             |              |    |                        |               |
| FS_ID:30295<br>DS_ID:19217<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: It needs cleaning and clearing in inlet and outlet ends.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end.<br>[Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.27)].<br>FS Date: 2/20/2014 |                             |              |    |                        |               |

Photo 1 of 2 : UCIP\_SP\_2019\_30295\_55706.jpg



WS view: U type concrete headwall, flapgate on levee slope. Vegetation debris blocking the outlet.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>3.18</b> | Rating **    | M  | Issue No.  | <b>69 (cont)</b> |
| LM End   | <b>3.18</b> | Issue Type + | Ma | Location * |                  |

Photo 2 of 2 : UCIP\_SP\_2019\_30295\_55705.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris blocking the inlet.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|



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|-----------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Mud Creek | Right | 6.80       | 04/10/2019<br>04/10/2019 | Makar Sokol |

|   |                             |              |    |                        |               |
|---|-----------------------------|--------------|----|------------------------|---------------|
| LM Start  | 3.39                        | Rating **    | M  | Issue No.              | 70            |
| LM End  | 3.39                        | Issue Type + | Ma | Location *             |               |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |               |
|   |                             |              |    | Start                  | End           |
| Item  | DWR UCIP LMA Responsibility |              |    | 39.765440 °            | 39.765440 °   |
|   |                             |              |    | -121.907261 °          | -121.907261 ° |
| DWR ID  | 19218                       |              |    |                        |               |
| Comment Code  |                             |              |    |                        |               |
|   |                             |              |    |                        |               |
| Inspector Comment   |                             |              |    |                        |               |
| FS_ID:30310   |                             |              |    |                        |               |
| DS_ID:19218   |                             |              |    |                        |               |
| EP_NO: N/A  |                             |              |    |                        |               |
| Repair Type: Non-Urgent   |                             |              |    |                        |               |
| Crossing Status: Found  |                             |              |    |                        |               |
| UCIP Comments: Needs cleaning and clearing of debris.   |                             |              |    |                        |               |
| FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.48)]. |                             |              |    |                        |               |
| FS Date: 2/20/2014  |                             |              |    |                        |               |

|          |      |              |    |            |           |
|----------|------|--------------|----|------------|-----------|
| LM Start | 3.39 | Rating **    | M  | Issue No.  | 70 (cont) |
| LM End   | 3.39 | Issue Type + | Ma | Location * |           |

Photo 1 of 3 : UCIP\_SP\_2019\_30310\_55741.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Vegetation debris blocking outlet.

Photo 2 of 3 : UCIP\_SP\_2019\_30310\_55740.jpg



LS view: U type concrete headwall and CMP on levee slope.

|  |  |  |  |   |  |   |  |
|--|--|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Butte County Department of Public Works**

| Waterway              | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|-----------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Mud Creek | Right | 6.80       | 04/10/2019<br>04/10/2019 | Makar Sokol |

|   |                             |              |    |                        |               |  |
|---|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start  | 3.39                        | Rating **    | M  | Issue No.              | 70 (cont)     |  |
| LM End  | 3.39                        | Issue Type + | Ma | Location *             |               |  |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |               |  |
|   |                             |              |    | Start                  | End           |  |
| Item  | DWR UCIP LMA Responsibility |              |    | 39.765440 °            | 39.765440 °   |  |
|   |                             |              |    | -121.907261 °          | -121.907261 ° |  |
| DWR ID  | 19218                       |              |    |                        |               |  |
| Comment Code  |                             |              |    |                        |               |  |
|   |                             |              |    |                        |               |  |
| Inspector Comment   |                             |              |    |                        |               |  |
| FS_ID:30310<br>DS_ID:19218<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Needs cleaning and clearing of debris.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.48)].<br>FS Date: 2/20/2014 |                             |              |    |                        |               |  |

Photo 3 of 3 : UCIP\_SP\_2019\_30310\_55739.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 3.89                    | Rating **    | M  | Issue No.              | 32            |
| LM End  | 3.89                    | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Encroachments           |              |    | 39.770395 °            | 39.770395 °   |
|   |                         |              |    | -121.901305 °          | -121.901305 ° |
| DWR ID  | DWR_NA0003_01_s_2018_32 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| PR : Prunings   |                         |              |    |                        |               |
| Inspector Comment                                     |                         |              |    |                        |               |
| The prunings should be removed from the landside toe. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2019\_NA0003\_64\_32\_20190325\_00014.jpg



View of the prunings along the landside toe.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Butte County Department of Public Works**

| Waterway              | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|-----------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Mud Creek | Right | 6.80       | 04/10/2019<br>04/10/2019 | Makar Sokol |

|   |                             |              |    |                        |    |               |
|---|-----------------------------|--------------|----|------------------------|----|---------------|
| LM Start  | 3.97                        | Rating **    | M  | Issue No.              | 71 |               |
| LM End  | 3.97                        | Issue Type + | Ma | Location *             |    |               |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |    |               |
|   |                             |              |    | Start                  |    | End           |
| Item  | DWR UCIP LMA Responsibility |              |    | 39.771293 °            |    | 39.771293 °   |
|   |                             |              |    | -121.900247 °          |    | -121.900247 ° |
| DWR ID  | 19219                       |              |    |                        |    |               |
| Comment Code  |                             |              |    |                        |    |               |
|   |                             |              |    |                        |    |               |
| Inspector Comment   |                             |              |    |                        |    |               |
| FS_ID:30311<br>DS_ID:19219<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Needs cleaning and clearing of debris in both ends of the pipe.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 4.08)].<br>FS Date: 2/20/2014 |                             |              |    |                        |    |               |

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>3.97</b> | Rating **    | M  | Issue No.  | <b>71 (cont)</b> |
| LM End   | <b>3.97</b> | Issue Type + | Ma | Location * |                  |

Photo 1 of 2 : UCIP\_SP\_2019\_30311\_55743.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Vegetation debris blocking outlet.

Photo 2 of 2 : UCIP\_SP\_2019\_30311\_55742.jpg



LS view: U type concrete headwall and CMP on levee slope.

|  |  |  |  |   |  |   |  |
|--|--|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|--|--|---|--|---|--|



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Butte County Department of Public Works

| Waterway              | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|-----------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Mud Creek | Right | 6.80       | 04/10/2019<br>04/10/2019 | Makar Sokol |

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 4.03                    | Rating **    | C  | Issue No.              | 51            |
| LM End  | 4.03                    | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Animal Control          |              |    | 39.771877 °            | 39.771877 °   |
|   |                         |              |    | -121.899441 °          | -121.899441 ° |
| DWR ID  | DWR_NA0003_01_f_2016_51 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| A1 : Exterminate rodents and backfill and compact or grout burrows. |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
|   |                         |              |    |                        |               |

No Photos

|  |                                  |              |     |                        |               |
|--|----------------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 4.26                             | Rating **    | A/W | Issue No.              | 5             |
| LM End   | 4.32                             | Issue Type + | Ma  | Location *             | WS            |
| Category   | Supplemental                     |              |     | GPS Latitude/Longitude |               |
|  |                                  |              |     | Start                  | End           |
| Item   | 2017 USACE Erosion Survey, DRAFT |              |     | 39.773257 °            | 39.773969 °   |
|  |                                  |              |     | -121.895618 °          | -121.895078 ° |
| DWR ID   | DWR_ST0010_02_f_2022_9           |              |     |                        |               |
| Comment Code   |                                  |              |     |                        |               |
|  |                                  |              |     |                        |               |
| Inspector Comment  |                                  |              |     |                        |               |
| 2017 Site ID: MUD 4.4 R  |                                  |              |     |                        |               |
| Status: Eroding  |                                  |              |     |                        |               |
| 2017 Field Notes: Erosion scarps have increased since last inspection in 2011.   |                                  |              |     |                        |               |
| Site History: 2011 - Two large erosion scallops at the toe from a rotational failure. Deep cracks along the slope indicate the potential for further failures. |                                  |              |     |                        |               |

No Photos

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Butte County Department of Public Works

| Waterway              | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|-----------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Mud Creek | Right | 6.80       | 04/10/2019<br>04/10/2019 | Makar Sokol |

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 4.27                    | Rating **    | C  | Issue No.              | 33            |
| LM End  | 4.27                    | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Animal Control          |              |    | 39.773398 °            | 39.773398 °   |
|   |                         |              |    | -121.895765 °          | -121.895765 ° |
| DWR ID  | DWR_NA0003_01_f_2018_33 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| A1 : Exterminate rodents and backfill and compact or grout burrows. |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
|   |                         |              |    |                        |               |

No Photos

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 4.27                    | Rating **    | M  | Issue No.              | 50            |
| LM End   | 4.27                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Vegetation              |              |    | 39.773487 °            | 39.773487 °   |
|  |                         |              |    | -121.895716 °          | -121.895716 ° |
| DWR ID   | DWR_NA0003_01_s_2019_50 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| V2 : Remove the wild growth other than native grasses from the levee slopes. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| The blackberry bushes should be removed from the landside toe.               |                         |              |    |                        |               |

No Photos

|   |                         |              |     |                        |               |
|---|-------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 4.30                    | Rating **    | A/W | Issue No.              | 54            |
| LM End  | 4.30                    | Issue Type + | Ma  | Location *             | WS            |
| Category  | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|   |                         |              |     | Start                  | End           |
| Item  | Erosion / Bank Caving   |              |     | 39.773834 °            | 39.773834 °   |
|   |                         |              |     | -121.895443 °          | -121.895443 ° |
| DWR ID  | DWR_NA0003_01_f_2018_54 |              |     |                        |               |
| Comment Code  |                         |              |     |                        |               |
| E2 : Schedule repair of erosion site prior to the next inspection.  |                         |              |     |                        |               |
| Inspector Comment   |                         |              |     |                        |               |
| Two large erosion scallops at the toe. USACE Erosion site MUD 4.4 R |                         |              |     |                        |               |

No Photos

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|---|--|---|--|

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Butte County Department of Public Works

| Waterway              | Bank  | Unit Miles | Inspection Start/End     | Inspector      |
|-----------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 Mud Creek | Right | 6.80       | 04/10/2019<br>04/10/2019 | Makar<br>Sokol |

|  |                           |              |    |                        |               |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start   | 4.40                      | Rating **    | M  | Issue No.              | 59            |
| LM End   | 4.40                      | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee             |              |    | GPS Latitude/Longitude |               |
|  |                           |              |    | Start                  | End           |
| Item   | Trim / Thin Trees         |              |    | 39.775097 °            | 39.775097 °   |
|  |                           |              |    | -121.894447 °          | -121.894447 ° |
| DWR ID   | DWR_NA0003_01_s _ 2019_59 |              |    |                        |               |
| Comment Code   |                           |              |    |                        |               |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. |                           |              |    |                        |               |
| Inspector Comment  |                           |              |    |                        |               |
|  |                           |              |    |                        |               |

No Photos

|   |                           |              |    |                        |               |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start  | 4.41                      | Rating **    | M  | Issue No.              | 60            |
| LM End  | 4.41                      | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee             |              |    | GPS Latitude/Longitude |               |
|   |                           |              |    | Start                  | End           |
| Item  | Slope Stability           |              |    | 39.775201 °            | 39.775201 °   |
|   |                           |              |    | -121.894357 °          | -121.894357 ° |
| DWR ID  | DWR_NA0003_01_s _ 2019_60 |              |    |                        |               |
| Comment Code  |                           |              |    |                        |               |
| S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible. |                           |              |    |                        |               |
| Inspector Comment   |                           |              |    |                        |               |
|   |                           |              |    |                        |               |

No Photos

|  |                           |              |    |                        |               |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start   | 4.45                      | Rating **    | M  | Issue No.              | 61            |
| LM End   | 4.45                      | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee             |              |    | GPS Latitude/Longitude |               |
|  |                           |              |    | Start                  | End           |
| Item   | Trim / Thin Trees         |              |    | 39.775710 °            | 39.775710 °   |
|  |                           |              |    | -121.894060 °          | -121.894060 ° |
| DWR ID   | DWR_NA0003_01_s _ 2019_61 |              |    |                        |               |
| Comment Code   |                           |              |    |                        |               |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. |                           |              |    |                        |               |
| Inspector Comment  |                           |              |    |                        |               |
|  |                           |              |    |                        |               |

No Photos

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Butte County Department of Public Works**

| Waterway              | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|-----------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Mud Creek | Right | 6.80       | 04/10/2019<br>04/10/2019 | Makar Sokol |

|   |                             |              |    |                        |               |
|---|-----------------------------|--------------|----|------------------------|---------------|
| LM Start  | 4.46                        | Rating **    | M  | Issue No.              | 72            |
| LM End  | 4.46                        | Issue Type + | Ma | Location *             |               |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |               |
|   |                             |              |    | Start                  | End           |
| Item  | DWR UCIP LMA Responsibility |              |    | 39.775905 °            | 39.775905 °   |
|   |                             |              |    | -121.893980 °          | -121.893980 ° |
| DWR ID  | 19220                       |              |    |                        |               |
| Comment Code  |                             |              |    |                        |               |
|   |                             |              |    |                        |               |
| Inspector Comment   |                             |              |    |                        |               |
| FS_ID:30312   |                             |              |    |                        |               |
| DS_ID:19220   |                             |              |    |                        |               |
| EP_NO: N/A  |                             |              |    |                        |               |
| Repair Type: Non-Urgent   |                             |              |    |                        |               |
| Crossing Status: Found  |                             |              |    |                        |               |
| UCIP Comments: Needs cleaning and clearing of debris.   |                             |              |    |                        |               |
| FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 13 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 4.58)]. |                             |              |    |                        |               |
| FS Date: 2/20/2014  |                             |              |    |                        |               |

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>4.46</b> | Rating **    | M  | Issue No.  | <b>72 (cont)</b> |
| LM End   | <b>4.46</b> | Issue Type + | Ma | Location * |                  |

Photo 1 of 2 : UCIP\_SP\_2019\_30312\_55745.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Vegetation debris blocking outlet.

Photo 2 of 2 : UCIP\_SP\_2019\_30312\_55744.jpg



LS view: U type concrete headwall and CMP on levee slope. Needs cleaning and clearing of debris.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Butte County Department of Public Works**

| Waterway              | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|-----------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Mud Creek | Right | 6.80       | 04/10/2019<br>04/10/2019 | Makar Sokol |

|   |                             |              |    |                        |               |
|---|-----------------------------|--------------|----|------------------------|---------------|
| LM Start  | 4.81                        | Rating **    | M  | Issue No.              | 73            |
| LM End  | 4.81                        | Issue Type + | Ma | Location *             |               |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |               |
|   |                             |              |    | Start                  | End           |
| Item  | DWR UCIP LMA Responsibility |              |    | 39.780244 °            | 39.780244 °   |
|   |                             |              |    | -121.891267 °          | -121.891267 ° |
| DWR ID  | 19221                       |              |    |                        |               |
| Comment Code  |                             |              |    |                        |               |
|   |                             |              |    |                        |               |
| Inspector Comment   |                             |              |    |                        |               |
| FS_ID:30388   |                             |              |    |                        |               |
| DS_ID:19221   |                             |              |    |                        |               |
| EP_NO: N/A  |                             |              |    |                        |               |
| Repair Type: Non-Urgent   |                             |              |    |                        |               |
| Crossing Status: Found  |                             |              |    |                        |               |
| UCIP Comments: CM Standpipe intake. Intake pipe with air vent. Steel rib-bar grit cover on the standpipe on landside levee toe.Needs cleaning and clearing on both ends of the pipe.  |                             |              |    |                        |               |
| FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 15 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on the WS end. Grouted riprap spillway on the WS end. Corrugated metal standpipe intake. Intake pipe with an air vent. Steel rib-bar grit cover on the standpipe on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 4.94)]. |                             |              |    |                        |               |
| FS Date: 2/20/2014  |                             |              |    |                        |               |

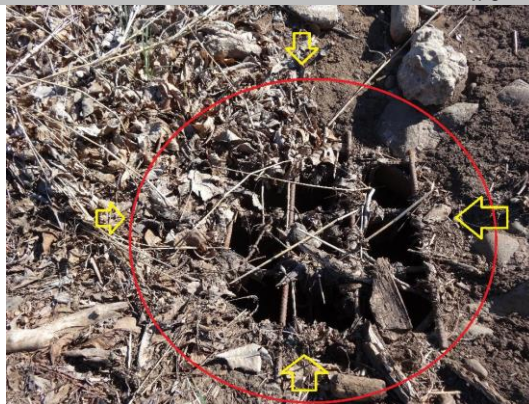
Photo 1 of 2 : UCIP\_SP\_2019\_30388\_55891.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Vegetation/soil debris blocking outlet.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>4.81</b> | Rating **    | M  | Issue No.  | <b>73 (cont)</b> |
| LM End   | <b>4.81</b> | Issue Type + | Ma | Location * |                  |

Photo 2 of 2 : UCIP\_SP\_2019\_30388\_55890.jpg



LS view: Underground CM standpipe intake with steel grit on levee toe.

| * Location                                      | ** Rating   | + Issue Type   |
|---|---|--|
| LS : Land Side<br>WS : Water Side<br>CR : Crown | A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable                      | Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
| N/A : Not Applicable                            | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  |

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Butte County Department of Public Works

| Waterway              | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|-----------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Mud Creek | Right | 6.80       | 04/10/2019<br>04/10/2019 | Makar Sokol |

|  |                             |              |     |                        |    |               |
|--|-----------------------------|--------------|-----|------------------------|----|---------------|
| LM Start   | 5.09                        | Rating **    | A/W | Issue No.              | 75 |               |
| LM End   | 5.09                        | Issue Type + | Ma  | Location *             |    |               |
| Category   | Supplemental                |              |     | GPS Latitude/Longitude |    |               |
|  |                             |              |     | Start                  |    | End           |
| Item   | DWR UCIP LMA Responsibility |              |     | 39.783636 °            |    | 39.783636 °   |
|  |                             |              |     | -121.888463 °          |    | -121.888463 ° |
| DWR ID   | 19222                       |              |     |                        |    |               |
| Comment Code   |                             |              |     |                        |    |               |
|  |                             |              |     |                        |    |               |
| Inspector Comment  |                             |              |     |                        |    |               |
| FS_ID:30327  |                             |              |     |                        |    |               |
| DS_ID:19222  |                             |              |     |                        |    |               |
| EP_NO: N/A   |                             |              |     |                        |    |               |
| Repair Type: No Action Needed  |                             |              |     |                        |    |               |
| Crossing Status: Found   |                             |              |     |                        |    |               |
| UCIP Comments: Slide gate in CM stadpipe on waterside levee slope.     |                             |              |     |                        |    |               |
| FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe      |                             |              |     |                        |    |               |
| through the levee, 17 feet below the crown. Slide gate in a corrugated |                             |              |     |                        |    |               |
| metal standpipe on the waterside (WS) slope. Flap gate on the WS       |                             |              |     |                        |    |               |
| end. Concrete U-shaped headwall on each end. Grouted riprap apron      |                             |              |     |                        |    |               |
| on the landside (LS) end. Grouted riprap spillway on the WS end.       |                             |              |     |                        |    |               |
| [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento        |                             |              |     |                        |    |               |
| O&M Manual 504, May 1965, (HLM 5.22)].                                 |                             |              |     |                        |    |               |
| FS Date: 2/20/2014   |                             |              |     |                        |    |               |

Photo 1 of 3 : UCIP\_SP\_2019\_30327\_55768.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope.

|          |             |              |     |            |                  |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | <b>5.09</b> | Rating **    | A/W | Issue No.  | <b>75 (cont)</b> |
| LM End   | <b>5.09</b> | Issue Type + | Ma  | Location * |                  |

Photo 2 of 3 : UCIP\_SP\_2019\_30327\_55767.jpg



WS view: CM standpipe with slide gate on levee slope.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Butte County Department of Public Works**

| Waterway              | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|-----------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Mud Creek | Right | 6.80       | 04/10/2019<br>04/10/2019 | Makar Sokol |

|   |                             |              |     |                        |           |               |
|---|-----------------------------|--------------|-----|------------------------|-----------|---------------|
| LM Start  | 5.09                        | Rating **    | A/W | Issue No.              | 75 (cont) |               |
| LM End  | 5.09                        | Issue Type + | Ma  | Location *             |           |               |
| Category  | Supplemental                |              |     | GPS Latitude/Longitude |           |               |
|   |                             |              |     | Start                  |           | End           |
| Item  | DWR UCIP LMA Responsibility |              |     | 39.783636 °            |           | 39.783636 °   |
|   |                             |              |     | -121.888463 °          |           | -121.888463 ° |
| DWR ID  | 19222                       |              |     |                        |           |               |
| Comment Code  |                             |              |     |                        |           |               |
|   |                             |              |     |                        |           |               |
| Inspector Comment   |                             |              |     |                        |           |               |
| FS_ID:30327<br>DS_ID:19222<br>EP_NO: N/A<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments: Slide gate in CM stadpipe on waterside levee slope.<br>FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 17 feet below the crown. Slide gate in a corrugated metal standpipe on the waterside (WS) slope. Flap gate on the WS end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end.<br>[Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 5.22)].<br>FS Date: 2/20/2014 |                             |              |     |                        |           |               |

Photo 3 of 3 : UCIP\_SP\_2019\_30327\_55766.jpg



LS view: U type concrete headwall and CMP on levee slope.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 5.20                    | Rating **    | M  | Issue No.              | 55            |
| LM End   | 5.20                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Vegetation              |              |    | 39.784234 °            | 39.784234 °   |
|  |                         |              |    | -121.886589 °          | -121.886589 ° |
| DWR ID   | DWR_NA0003_01_f_2016_55 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| V2 : Remove the wild growth other than native grasses from the levee slopes. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
|  |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2019\_NA0003\_64\_55\_20190325\_00029.jpg



View of the blackberries blocking visibility and access.

|  |  |  |  |   |  |   |  |
|--|--|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Butte County Department of Public Works

| Waterway              | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|-----------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Mud Creek | Right | 6.80       | 04/10/2019<br>04/10/2019 | Makar Sokol |

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 5.89                    | Rating **    | M  | Issue No.              | 44            |
| LM End   | 5.89                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Vegetation              |              |    | 39.792121 °            | 39.792121 °   |
|  |                         |              |    | -121.886836 °          | -121.886836 ° |
| DWR ID   | DWR_NA0003_01_f_2016_44 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| V2 : Remove the wild growth other than native grasses from the levee slopes. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Blackberry bramble should be removed from the landside slope and toe.        |                         |              |    |                        |               |

No Photos

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 5.91                    | Rating **    | M  | Issue No.              | 43            |
| LM End   | 5.91                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Vegetation              |              |    | 39.792482 °            | 39.792482 °   |
|  |                         |              |    | -121.887078 °          | -121.887078 ° |
| DWR ID   | DWR_NA0003_01_f_2016_43 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| V2 : Remove the wild growth other than native grasses from the levee slopes. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Blackberry bramble should be removed from the landside slope and toe.        |                         |              |    |                        |               |

No Photos

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 5.96                    | Rating **    | M  | Issue No.              | 22            |
| LM End  | 5.96                    | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Vegetation              |              |    | 39.793116 °            | 39.793116 °   |
|   |                         |              |    | -121.887296 °          | -121.887296 ° |
| DWR ID  | DWR_NA0003_01_f_2016_22 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| V2 : Remove the wild growth other than native grasses from the levee slopes.          |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
| The blackberry brambles should be removed from the landside toe and the 10' easement. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2019\_NA0003\_64\_22\_20190325\_00005.jpg



View of the blackberries blocking visibility and access.

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|---|--|---|--|

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Butte County Department of Public Works**

| Waterway              | Bank  | Unit Miles | Inspection Start/End     | Inspector      |
|-----------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 Mud Creek | Right | 6.80       | 04/10/2019<br>04/10/2019 | Makar<br>Sokol |

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 6.16                    | Rating **    | M  | Issue No.              | 34            |
| LM End   | 6.16                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Vegetation              |              |    | 39.795428 °            | 39.795428 °   |
|  |                         |              |    | -121.885306 °          | -121.885306 ° |
| DWR ID   | DWR_NA0003_01_s_2016_34 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| V2 : Remove the wild growth other than native grasses from the levee slopes. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Blackberry bramble should be removed from the landside toe.                  |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2019\_NA0003\_64\_34\_20190325\_00016.jpg



Trim vegetation at L/S toe.

|  |   |   |
|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|---|---|



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Butte County Department of Public Works

| Waterway              | Bank | Unit Miles | Inspection Start/End     | Inspector   |
|-----------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Mud Creek | Left | 7.96       | 04/09/2019<br>04/10/2019 | Makar Sokol |

|   |                             |              |    |                        |              |  |
|---|-----------------------------|--------------|----|------------------------|--------------|--|
| LM Start  | 0.23                        | Rating **    | M  | Issue No.              | 47           |  |
| LM End  | 0.23                        | Issue Type + | Ma | Location *             |              |  |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |              |  |
|   |                             |              |    | Start                  | End          |  |
| Item  | DWR UCIP LMA Responsibility |              |    | 39.797416°             | 39.797416°   |  |
|   |                             |              |    | -121.881675°           | -121.881675° |  |
| DWR ID  | 19234                       |              |    |                        |              |  |
| Comment Code  |                             |              |    |                        |              |  |
|   |                             |              |    |                        |              |  |
| Inspector Comment   |                             |              |    |                        |              |  |
| FS_ID:31667   |                             |              |    |                        |              |  |
| DS_ID:19234   |                             |              |    |                        |              |  |
| EP_NO: N/A  |                             |              |    |                        |              |  |
| Repair Type: Non-Urgent   |                             |              |    |                        |              |  |
| Crossing Status: Found  |                             |              |    |                        |              |  |
| UCIP Comments: Needs cleaning and clearing the culvert.                 |                             |              |    |                        |              |  |
| FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe       |                             |              |    |                        |              |  |
| through the levee, 6.6 feet below the crown. Flap gate on the waterside |                             |              |    |                        |              |  |
| (WS) end. Concrete U-shaped headwall on each end. Grouted riprap        |                             |              |    |                        |              |  |
| spillway on the WS end. [Additional Reference(s): DWR Levee Log,        |                             |              |    |                        |              |  |
| 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.25)].           |                             |              |    |                        |              |  |
| FS Date: 3/11/2014  |                             |              |    |                        |              |  |

Photo 1 of 3 : UCIP\_SP\_2019\_31667\_57968.jpg



WS view: CMP culvert with U type concrete headwall. Vegetation debris blocking outlet box.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>0.23</b> | Rating **    | M  | Issue No.  | <b>47 (cont)</b> |
| LM End   | <b>0.23</b> | Issue Type + | Ma | Location * |                  |

Photo 2 of 3 : UCIP\_SP\_2019\_31667\_57967.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Vegetation debris on outlet box.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Butte County Department of Public Works**

| Waterway              | Bank | Unit Miles | Inspection Start/End     | Inspector   |
|-----------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Mud Creek | Left | 7.96       | 04/09/2019<br>04/10/2019 | Makar Sokol |

|   |                             |              |    |                        |               |  |
|---|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start  | 0.23                        | Rating **    | M  | Issue No.              | 47 (cont)     |  |
| LM End  | 0.23                        | Issue Type + | Ma | Location *             |               |  |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |               |  |
|   |                             |              |    | Start                  | End           |  |
| Item  | DWR UCIP LMA Responsibility |              |    | 39.797416 °            | 39.797416 °   |  |
|   |                             |              |    | -121.881675 °          | -121.881675 ° |  |
| DWR ID  | 19234                       |              |    |                        |               |  |
| Comment Code  |                             |              |    |                        |               |  |
|   |                             |              |    |                        |               |  |
| Inspector Comment   |                             |              |    |                        |               |  |
| FS_ID:31667   |                             |              |    |                        |               |  |
| DS_ID:19234   |                             |              |    |                        |               |  |
| EP_NO: N/A  |                             |              |    |                        |               |  |
| Repair Type: Non-Urgent   |                             |              |    |                        |               |  |
| Crossing Status: Found  |                             |              |    |                        |               |  |
| UCIP Comments: Needs cleaning and clearing the culvert.   |                             |              |    |                        |               |  |
| FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 6.6 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.25)]. |                             |              |    |                        |               |  |
| FS Date: 3/11/2014  |                             |              |    |                        |               |  |

Photo 3 of 3 : UCIP\_SP\_2019\_31667\_57966.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris on inlet box.

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 0.31                    | Rating **    | M  | Issue No.              | 29            |
| LM End  | 0.31                    | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Slope Stability         |              |    | 39.797071 °            | 39.797071 °   |
|   |                         |              |    | -121.883049 °          | -121.883049 ° |
| DWR ID  | DWR_NA0003_02_f_2016_29 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible. |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
|   |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2019\_NA0003\_65\_29\_20190325\_00005.jpg



View of the slope instability caused by vehicles along the landside slope.

|  |  |  |  |   |  |   |  |
|--|--|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Butte County Department of Public Works

| Waterway              | Bank | Unit Miles | Inspection Start/End     | Inspector      |
|-----------------------|------|------------|--------------------------|----------------|
| Unit No. 02 Mud Creek | Left | 7.96       | 04/09/2019<br>04/10/2019 | Makar<br>Sokol |

|  |                           |              |    |                        |               |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.38                      | Rating **    | M  | Issue No.              | 31            |
| LM End   | 0.38                      | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee             |              |    | GPS Latitude/Longitude |               |
|  |                           |              |    | Start                  | End           |
| Item   | Trim / Thin Trees         |              |    | 39.796062 °            | 39.796062 °   |
|  |                           |              |    | -121.883440 °          | -121.883440 ° |
| DWR ID   | DWR_NA0003_02_s _ 2019_31 |              |    |                        |               |
| Comment Code   |                           |              |    |                        |               |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. |                           |              |    |                        |               |
| Inspector Comment  |                           |              |    |                        |               |
| Trees smaller than 4-inches in diameter at chest height should be removed. |                           |              |    |                        |               |

No Photos

|  |                           |              |    |                        |               |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.55                      | Rating **    | M  | Issue No.              | 30            |
| LM End   | 0.55                      | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee             |              |    | GPS Latitude/Longitude |               |
|  |                           |              |    | Start                  | End           |
| Item   | Vegetation                |              |    | 39.794401 °            | 39.794401 °   |
|  |                           |              |    | -121.885311 °          | -121.885311 ° |
| DWR ID   | DWR_NA0003_02_s _ 2019_30 |              |    |                        |               |
| Comment Code   |                           |              |    |                        |               |
| V2 : Remove the wild growth other than native grasses from the levee slopes. |                           |              |    |                        |               |
| Inspector Comment  |                           |              |    |                        |               |
|  |                           |              |    |                        |               |

No Photos

|  |                           |              |    |                        |               |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.55                      | Rating **    | M  | Issue No.              | 28            |
| LM End   | 0.55                      | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee             |              |    | GPS Latitude/Longitude |               |
|  |                           |              |    | Start                  | End           |
| Item   | Trim / Thin Trees         |              |    | 39.794345 °            | 39.794345 °   |
|  |                           |              |    | -121.885423 °          | -121.885423 ° |
| DWR ID   | DWR_NA0003_02_s _ 2019_28 |              |    |                        |               |
| Comment Code   |                           |              |    |                        |               |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. |                           |              |    |                        |               |
| Inspector Comment  |                           |              |    |                        |               |
|  |                           |              |    |                        |               |

No Photos

|   |  |   |  |  |  |
|---|--|---|--|--|--|
| * Location                                      |  | ** Rating   |  | + Issue Type   |  |
| LS : Land Side<br>WS : Water Side<br>CR : Crown |  | A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable                      |  | Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
| N/A : Not Applicable                            |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  |  |  |

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Butte County Department of Public Works**

| Waterway              | Bank | Unit Miles | Inspection Start/End     | Inspector   |
|-----------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Mud Creek | Left | 7.96       | 04/09/2019<br>04/10/2019 | Makar Sokol |

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.58                    | Rating **    | M  | Issue No.              | 27            |
| LM End   | 0.58                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Trim / Thin Trees       |              |    | 39.793979 °            | 39.793979 °   |
|  |                         |              |    | -121.885781 °          | -121.885781 ° |
| DWR ID   | DWR_NA0003_02_s_2019_27 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Trees smaller than 4-inches in diameter at chest height should be removed. |                         |              |    |                        |               |

No Photos

|   |                             |              |    |                        |    |               |
|---|-----------------------------|--------------|----|------------------------|----|---------------|
| LM Start  | 1.26                        | Rating **    | M  | Issue No.              | 48 |               |
| LM End  | 1.26                        | Issue Type + | Ma | Location *             |    |               |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |    |               |
|   |                             |              |    | Start                  |    | End           |
| Item  | DWR UCIP LMA Responsibility |              |    | 39.784062 °            |    | 39.784062 °   |
|   |                             |              |    | -121.884344 °          |    | -121.884344 ° |
| DWR ID  | 19235                       |              |    |                        |    |               |
| Comment Code  |                             |              |    |                        |    |               |
|   |                             |              |    |                        |    |               |
| Inspector Comment   |                             |              |    |                        |    |               |
| FS_ID:30403<br>DS_ID:19235<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Needs cleaning and clearing of debris.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 1.34)].<br>FS Date: 2/24/2014 |                             |              |    |                        |    |               |

Photo 1 of 3 : UCIP\_SP\_2019\_30403\_55922.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Butte County Department of Public Works**

| Waterway              | Bank | Unit Miles | Inspection Start/End     | Inspector   |
|-----------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Mud Creek | Left | 7.96       | 04/09/2019<br>04/10/2019 | Makar Sokol |

|   |                             |              |    |                        |               |  |
|---|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start  | 1.26                        | Rating **    | M  | Issue No.              | 48 (cont)     |  |
| LM End  | 1.26                        | Issue Type + | Ma | Location *             |               |  |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |               |  |
|   |                             |              |    | Start                  | End           |  |
| Item  | DWR UCIP LMA Responsibility |              |    | 39.784062 °            | 39.784062 °   |  |
|   |                             |              |    | -121.884344 °          | -121.884344 ° |  |
| DWR ID  | 19235                       |              |    |                        |               |  |
| Comment Code  |                             |              |    |                        |               |  |
|   |                             |              |    |                        |               |  |
| Inspector Comment   |                             |              |    |                        |               |  |
| FS_ID:30403<br>DS_ID:19235<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Needs cleaning and clearing of debris.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 1.34)].<br>FS Date: 2/24/2014 |                             |              |    |                        |               |  |

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>1.26</b> | Rating **    | M  | Issue No.  | <b>48 (cont)</b> |
| LM End   | <b>1.26</b> | Issue Type + | Ma | Location * |                  |

Photo 2 of 3 : UCIP\_SP\_2019\_30403\_55921.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris in inlet pipe.

Photo 3 of 3 : UCIP\_SP\_2019\_30403\_55920.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable  |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|  |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  |   |  |

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Butte County Department of Public Works

| Waterway              | Bank | Unit Miles | Inspection Start/End     | Inspector   |
|-----------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Mud Creek | Left | 7.96       | 04/09/2019<br>04/10/2019 | Makar Sokol |

|  |                        |              |    |                        |               |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start   | 1.45                   | Rating **    | M  | Issue No.              | 2             |
| LM End   | 1.45                   | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|  |                        |              |    | Start                  | End           |
| Item   | Vegetation             |              |    | 39.783074 °            | 39.783074 °   |
|  |                        |              |    | -121.887610 °          | -121.887610 ° |
| DWR ID   | DWR_NA0003_02_s_2019_2 |              |    |                        |               |
| Comment Code   |                        |              |    |                        |               |
| V2 : Remove the wild growth other than native grasses from the levee slopes.   |                        |              |    |                        |               |
| Inspector Comment  |                        |              |    |                        |               |
| The blackberry bushes should be removed from the landside toe and the trees should be trimmed 5 feet off the ground. |                        |              |    |                        |               |

No Photos

|   |                             |              |    |                        |               |
|---|-----------------------------|--------------|----|------------------------|---------------|
| LM Start  | 1.46                        | Rating **    | M  | Issue No.              | 49            |
| LM End  | 1.46                        | Issue Type + | Ma | Location *             |               |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |               |
|   |                             |              |    | Start                  | End           |
| Item  | DWR UCIP LMA Responsibility |              |    | 39.782980 °            | 39.782980 °   |
|   |                             |              |    | -121.887834 °          | -121.887834 ° |
| DWR ID  | 19237                       |              |    |                        |               |
| Comment Code  |                             |              |    |                        |               |
|   |                             |              |    |                        |               |
| Inspector Comment   |                             |              |    |                        |               |
| FS_ID:30743   |                             |              |    |                        |               |
| DS_ID:19237   |                             |              |    |                        |               |
| EP_NO: N/A  |                             |              |    |                        |               |
| Repair Type: Non-Urgent   |                             |              |    |                        |               |
| Crossing Status: Found  |                             |              |    |                        |               |
| UCIP Comments: Needs cleaning and clearing of debris.   |                             |              |    |                        |               |
| FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 1.55)]. |                             |              |    |                        |               |
| FS Date: 2/24/2014  |                             |              |    |                        |               |

Photo 1 of 2 : UCIP\_SP\_2019\_30743\_56641.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope.  
Debris in outlet box.

|   |  |  |  |  |  |
|---|--|--|--|--|--|
| * Location<br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | ** Rating<br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | + Issue Type<br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|---|--|--|--|--|--|

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Butte County Department of Public Works

| Waterway              | Bank | Unit Miles | Inspection Start/End     | Inspector   |
|-----------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Mud Creek | Left | 7.96       | 04/09/2019<br>04/10/2019 | Makar Sokol |

|   |                             |              |    |                        |               |
|---|-----------------------------|--------------|----|------------------------|---------------|
| LM Start  | 1.46                        | Rating **    | M  | Issue No.              | 49 (cont)     |
| LM End  | 1.46                        | Issue Type + | Ma | Location *             |               |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |               |
|   |                             |              |    | Start                  | End           |
| Item  | DWR UCIP LMA Responsibility |              |    | 39.782980 °            | 39.782980 °   |
|   |                             |              |    | -121.887834 °          | -121.887834 ° |
| DWR ID  | 19237                       |              |    |                        |               |
| Comment Code  |                             |              |    |                        |               |
|   |                             |              |    |                        |               |
| Inspector Comment   |                             |              |    |                        |               |
| FS_ID:30743   |                             |              |    |                        |               |
| DS_ID:19237   |                             |              |    |                        |               |
| EP_NO: N/A  |                             |              |    |                        |               |
| Repair Type: Non-Urgent   |                             |              |    |                        |               |
| Crossing Status: Found  |                             |              |    |                        |               |
| UCIP Comments: Needs cleaning and clearing of debris.   |                             |              |    |                        |               |
| FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 1.55)]. |                             |              |    |                        |               |
| FS Date: 2/24/2014  |                             |              |    |                        |               |

Photo 2 of 2 : UCIP\_SP\_2019\_30743\_56640.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris and soil in inlet area.

|  |                        |              |    |                        |               |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start   | 1.52                   | Rating **    | M  | Issue No.              | 4             |
| LM End   | 1.69                   | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|  |                        |              |    | Start                  | End           |
| Item   | Trim / Thin Trees      |              |    | 39.782478 °            | 39.780233 °   |
|  |                        |              |    | -121.888566 °          | -121.890124 ° |
| DWR ID   | DWR_NA0003_02_s_2019_4 |              |    |                        |               |
| Comment Code   |                        |              |    |                        |               |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. |                        |              |    |                        |               |
| Inspector Comment  |                        |              |    |                        |               |
| Trees smaller than 4-inches in diameter at chest height should be removed. |                        |              |    |                        |               |

No Photos

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Butte County Department of Public Works

| Waterway              | Bank | Unit Miles | Inspection Start/End     | Inspector   |
|-----------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Mud Creek | Left | 7.96       | 04/09/2019<br>04/10/2019 | Makar Sokol |

|                   |                         |              |    |                        |               |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start          | 1.62                    | Rating **    | N  | Issue No.              | 32            |
| LM End            | 1.62                    | Issue Type + | Ma | Location *             | LS            |
| Category          | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                   |                         |              |    | Start                  | End           |
| Item              | Trim / Thin Trees       |              |    | 39.781173 °            | 39.781173 °   |
|                   |                         |              |    | -121.889526 °          | -121.889526 ° |
| DWR ID            | DWR_NA0003_02_f_2016_32 |              |    |                        |               |
| Comment Code      |                         |              |    |                        |               |
| T5 : Tree stumps. |                         |              |    |                        |               |
| Inspector Comment |                         |              |    |                        |               |
|                   |                         |              |    |                        |               |

No Photos

|  |                             |              |    |                        |               |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start   | 2.34                        | Rating **    | M  | Issue No.              | 52            |
| LM End   | 2.34                        | Issue Type + | Ma | Location *             |               |
| Category   | Supplemental                |              |    | GPS Latitude/Longitude |               |
|  |                             |              |    | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |    | 39.772185 °            | 39.772185 °   |
|  |                             |              |    | -121.895681 °          | -121.895681 ° |
| DWR ID   | 19239                       |              |    |                        |               |
| Comment Code   |                             |              |    |                        |               |
|  |                             |              |    |                        |               |
| Inspector Comment  |                             |              |    |                        |               |
| FS_ID:30763<br>DS_ID:19239<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Debris in landside inlet area. Needs cleaning and clearing of debris.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 2.44)].<br>FS Date: 2/24/2014 |                             |              |    |                        |               |

Photo 1 of 3 : UCIP\_SP\_2019\_30763\_56662.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope.  
Vegetation debris blocking outlet.

|  |   |   |
|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br><br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|---|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Butte County Department of Public Works**

| Waterway              | Bank | Unit Miles | Inspection Start/End     | Inspector   |
|-----------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Mud Creek | Left | 7.96       | 04/09/2019<br>04/10/2019 | Makar Sokol |

|  |                             |              |    |                        |           |               |
|--|-----------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start   | 2.34                        | Rating **    | M  | Issue No.              | 52 (cont) |               |
| LM End   | 2.34                        | Issue Type + | Ma | Location *             |           |               |
| Category   | Supplemental                |              |    | GPS Latitude/Longitude |           |               |
|  |                             |              |    | Start                  |           | End           |
| Item   | DWR UCIP LMA Responsibility |              |    | 39.772185 °            |           | 39.772185 °   |
|  |                             |              |    | -121.895681 °          |           | -121.895681 ° |
| DWR ID   | 19239                       |              |    |                        |           |               |
| Comment Code   |                             |              |    |                        |           |               |
|  |                             |              |    |                        |           |               |
| Inspector Comment  |                             |              |    |                        |           |               |
| FS_ID:30763<br>DS_ID:19239<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Debris in landside inlet area. Needs cleaning and clearing of debris.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 2.44)].<br>FS Date: 2/24/2014 |                             |              |    |                        |           |               |

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>2.34</b> | Rating **    | M  | Issue No.  | <b>52 (cont)</b> |
| LM End   | <b>2.34</b> | Issue Type + | Ma | Location * |                  |

Photo 2 of 3 : UCIP\_SP\_2019\_30763\_56661.jpg



LS view: U type concrete headwall and CMP on levee slope.

Photo 3 of 3 : UCIP\_SP\_2019\_30763\_56660.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Butte County Department of Public Works**

| Waterway              | Bank | Unit Miles | Inspection Start/End     | Inspector   |
|-----------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Mud Creek | Left | 7.96       | 04/09/2019<br>04/10/2019 | Makar Sokol |

|  |                                  |              |     |                        |               |
|--|----------------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 2.54                             | Rating **    | A/W | Issue No.              | 41            |
| LM End   | 2.68                             | Issue Type + | Ma  | Location *             | WS            |
| Category   | Supplemental                     |              |     | GPS Latitude/Longitude |               |
|  |                                  |              |     | Start                  | End           |
| Item   | 2017 USACE Erosion Survey, DRAFT |              |     | 39.771186 °            | 39.769616 °   |
|  |                                  |              |     | -121.899060 °          | -121.900854 ° |
| DWR ID   | DWR_ST0010_02_f_2022_11          |              |     |                        |               |
| Comment Code   |                                  |              |     |                        |               |
|  |                                  |              |     |                        |               |
| Inspector Comment                                      |                                  |              |     |                        |               |
| 2017 Site ID: MUD 2.8 L                                |                                  |              |     |                        |               |
| Status: Eroding New                                    |                                  |              |     |                        |               |
| 2017 Field Notes: Large erosion scarp along lower toe. |                                  |              |     |                        |               |
| Site History:  |                                  |              |     |                        |               |

No Photos

|   |                             |              |    |                        |               |
|---|-----------------------------|--------------|----|------------------------|---------------|
| LM Start  | 2.74                        | Rating **    | M  | Issue No.              | 53            |
| LM End  | 2.74                        | Issue Type + | Ma | Location *             |               |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |               |
|   |                             |              |    | Start                  | End           |
| Item  | DWR UCIP LMA Responsibility |              |    | 39.768741 °            | 39.768741 °   |
|   |                             |              |    | -121.901176 °          | -121.901176 ° |
| DWR ID  | 19240                       |              |    |                        |               |
| Comment Code  |                             |              |    |                        |               |
|   |                             |              |    |                        |               |
| Inspector Comment   |                             |              |    |                        |               |
| FS_ID:30783<br>DS_ID:19240<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Needs cleaning and clearing of debris.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 2.86)].<br>FS Date: 2/24/2014 |                             |              |    |                        |               |

Photo 1 of 3 : UCIP\_SP\_2019\_30783\_56682.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope.  
Gate not fully closed. Debris and soil in outlet box.

|   |  |  |  |  |  |
|---|--|--|--|--|--|
| * Location<br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | ** Rating<br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | + Issue Type<br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|---|--|--|--|--|--|

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Butte County Department of Public Works**

| Waterway              | Bank | Unit Miles | Inspection Start/End     | Inspector   |
|-----------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Mud Creek | Left | 7.96       | 04/09/2019<br>04/10/2019 | Makar Sokol |

|   |                             |              |    |                        |           |               |
|---|-----------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start  | 2.74                        | Rating **    | M  | Issue No.              | 53 (cont) |               |
| LM End  | 2.74                        | Issue Type + | Ma | Location *             |           |               |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |           |               |
|   |                             |              |    | Start                  |           | End           |
| Item  | DWR UCIP LMA Responsibility |              |    | 39.768741 °            |           | 39.768741 °   |
|   |                             |              |    | -121.901176 °          |           | -121.901176 ° |
| DWR ID  | 19240                       |              |    |                        |           |               |
| Comment Code  |                             |              |    |                        |           |               |
|   |                             |              |    |                        |           |               |
| Inspector Comment   |                             |              |    |                        |           |               |
| FS_ID:30783<br>DS_ID:19240<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Needs cleaning and clearing of debris.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 2.86)].<br>FS Date: 2/24/2014 |                             |              |    |                        |           |               |

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>2.74</b> | Rating **    | M  | Issue No.  | <b>53 (cont)</b> |
| LM End   | <b>2.74</b> | Issue Type + | Ma | Location * |                  |

Photo 2 of 3 : UCIP\_SP\_2019\_30783\_56681.jpg



LS view: U type concrete headwall and CMP on levee slope. Debris and soil in inlet box.

Photo 3 of 3 : UCIP\_SP\_2019\_30783\_56680.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Butte County Department of Public Works

| Waterway              | Bank | Unit Miles | Inspection Start/End     | Inspector   |
|-----------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Mud Creek | Left | 7.96       | 04/09/2019<br>04/10/2019 | Makar Sokol |

|   |                                  |              |     |                        |               |
|---|----------------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 3.08                             | Rating **    | A/W | Issue No.              | 42            |
| LM End  | 3.16                             | Issue Type + | Ma  | Location *             | WS            |
| Category  | Supplemental                     |              |     | GPS Latitude/Longitude |               |
|   |                                  |              |     | Start                  | End           |
| Item  | 2017 USACE Erosion Survey, DRAFT |              |     | 39.765543 °            | 39.764869 °   |
|   |                                  |              |     | -121.905367 °          | -121.906737 ° |
| DWR ID  | DWR_ST0010_02_f_2022_12          |              |     |                        |               |
| Comment Code  |                                  |              |     |                        |               |
|   |                                  |              |     |                        |               |
| Inspector Comment   |                                  |              |     |                        |               |
| 2017 Site ID: MUD 3.3 L                                   |                                  |              |     |                        |               |
| Status: Eroding New                                       |                                  |              |     |                        |               |
| 2017 Field Notes: Large mass failure of lower bank slope. |                                  |              |     |                        |               |
| Site History:   |                                  |              |     |                        |               |

No Photos

|  |                             |              |    |                        |               |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start   | 3.50                        | Rating **    | M  | Issue No.              | 54            |
| LM End   | 3.50                        | Issue Type + | Ma | Location *             |               |
| Category   | Supplemental                |              |    | GPS Latitude/Longitude |               |
|  |                             |              |    | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |    | 39.760847 °            | 39.760847 °   |
|  |                             |              |    | -121.910265 °          | -121.910265 ° |
| DWR ID   | 19241                       |              |    |                        |               |
| Comment Code   |                             |              |    |                        |               |
|  |                             |              |    |                        |               |
| Inspector Comment  |                             |              |    |                        |               |
| FS_ID:30803<br>DS_ID:19241<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Needs cleaning and clearing of debris.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 6.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.64)].<br>FS Date: 2/24/2014 |                             |              |    |                        |               |

Photo 1 of 3 : UCIP\_SP\_2019\_30803\_56685.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope.  
Vegetation debris and soil blocking outlet.

|   |  |  |  |  |  |
|---|--|--|--|--|--|
| * Location<br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | ** Rating<br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | + Issue Type<br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|---|--|--|--|--|--|



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Butte County Department of Public Works**

| Waterway              | Bank | Unit Miles | Inspection Start/End     | Inspector   |
|-----------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Mud Creek | Left | 7.96       | 04/09/2019<br>04/10/2019 | Makar Sokol |

|  |                             |              |    |                        |           |               |
|--|-----------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start   | 3.50                        | Rating **    | M  | Issue No.              | 54 (cont) |               |
| LM End   | 3.50                        | Issue Type + | Ma | Location *             |           |               |
| Category   | Supplemental                |              |    | GPS Latitude/Longitude |           |               |
|  |                             |              |    | Start                  |           | End           |
| Item   | DWR UCIP LMA Responsibility |              |    | 39.760847 °            |           | 39.760847 °   |
|  |                             |              |    | -121.910265 °          |           | -121.910265 ° |
| DWR ID   | 19241                       |              |    |                        |           |               |
| Comment Code   |                             |              |    |                        |           |               |
|  |                             |              |    |                        |           |               |
| Inspector Comment  |                             |              |    |                        |           |               |
| FS_ID:30803<br>DS_ID:19241<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Needs cleaning and clearing of debris.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 6.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.64)].<br>FS Date: 2/24/2014 |                             |              |    |                        |           |               |

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>3.50</b> | Rating **    | M  | Issue No.  | <b>54 (cont)</b> |
| LM End   | <b>3.50</b> | Issue Type + | Ma | Location * |                  |

Photo 2 of 3 : UCIP\_SP\_2019\_30803\_56684.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris and soil blocking inlet.

Photo 3 of 3 : UCIP\_SP\_2019\_30803\_56683.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Butte County Department of Public Works

| Waterway              | Bank | Unit Miles | Inspection Start/End     | Inspector   |
|-----------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Mud Creek | Left | 7.96       | 04/09/2019<br>04/10/2019 | Makar Sokol |

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 3.52                    | Rating **    | M  | Issue No.              | 10            |
| LM End  | 3.52                    | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Slope Stability         |              |    | 39.760582 °            | 39.760582 °   |
|   |                         |              |    | -121.910303 °          | -121.910303 ° |
| DWR ID  | DWR_NA0003_02_f_2015_10 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible. |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
|   |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2019\_NA0003\_65\_10\_20190325\_00004.jpg



View of the vehicle erosion along the landside slope.

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 3.75                    | Rating **    | M  | Issue No.              | 40            |
| LM End  | 3.75                    | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Encroachments           |              |    | 39.757831 °            | 39.757831 °   |
|   |                         |              |    | -121.911920 °          | -121.911920 ° |
| DWR ID  | DWR_NA0003_02_s_2019_40 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| DE : Debris   |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
| The pile of debris should be removed from the landside slope. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2019\_NA0003\_65\_40\_20190415\_00065.jpg



View of a pile of debris on the landside slope. Spring 2019.

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 4.08                    | Rating **    | M  | Issue No.              | 43            |
| LM End  | 4.08                    | Issue Type + | Ma | Location *             | WS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Slope Stability         |              |    | 39.755092 °            | 39.755092 °   |
|   |                         |              |    | -121.913104 °          | -121.913104 ° |
| DWR ID  | DWR_NA0003_02_s_2019_43 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible. |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
|   |                         |              |    |                        |               |

No Photos

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Butte County Department of Public Works

| Waterway              | Bank | Unit Miles | Inspection Start/End     | Inspector   |
|-----------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Mud Creek | Left | 7.96       | 04/09/2019<br>04/10/2019 | Makar Sokol |

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 4.17                    | Rating **    | M  | Issue No.              | 44            |
| LM End   | 4.17                    | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Encroachments           |              |    | 39.754324 °            | 39.754324 °   |
|  |                         |              |    | -121.913683 °          | -121.913683 ° |
| DWR ID   | DWR_NA0003_02_s_2019_44 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| DE : Debris  |                         |              |    |                        |               |
| Inspector Comment                                      |                         |              |    |                        |               |
| The debris should be removed from the waterside slope. |                         |              |    |                        |               |

No Photos

|   |                             |              |    |                        |               |
|---|-----------------------------|--------------|----|------------------------|---------------|
| LM Start  | 4.61                        | Rating **    | M  | Issue No.              | 55            |
| LM End  | 4.61                        | Issue Type + | Ma | Location *             |               |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |               |
|   |                             |              |    | Start                  | End           |
| Item  | DWR UCIP LMA Responsibility |              |    | 39.748731 °            | 39.748731 °   |
|   |                             |              |    | -121.917577 °          | -121.917577 ° |
| DWR ID  | 19245                       |              |    |                        |               |
| Comment Code  |                             |              |    |                        |               |
|   |                             |              |    |                        |               |
| Inspector Comment   |                             |              |    |                        |               |
| FS_ID:31028<br>DS_ID:19245<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Needs cleaning and clearing of debris.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 4.77)].<br>FS Date: 2/25/2014 |                             |              |    |                        |               |

Photo 1 of 3 : UCIP\_SP\_2019\_31028\_56913.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope.  
Soil/mud on outlet box.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Butte County Department of Public Works**

| Waterway              | Bank | Unit Miles | Inspection Start/End     | Inspector   |
|-----------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Mud Creek | Left | 7.96       | 04/09/2019<br>04/10/2019 | Makar Sokol |

|   |                             |              |    |                        |           |               |
|---|-----------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start  | 4.61                        | Rating **    | M  | Issue No.              | 55 (cont) |               |
| LM End  | 4.61                        | Issue Type + | Ma | Location *             |           |               |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |           |               |
|   |                             |              |    | Start                  |           | End           |
| Item  | DWR UCIP LMA Responsibility |              |    | 39.748731 °            |           | 39.748731 °   |
|   |                             |              |    | -121.917577 °          |           | -121.917577 ° |
| DWR ID  | 19245                       |              |    |                        |           |               |
| Comment Code  |                             |              |    |                        |           |               |
|   |                             |              |    |                        |           |               |
| Inspector Comment   |                             |              |    |                        |           |               |
| FS_ID:31028<br>DS_ID:19245<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Needs cleaning and clearing of debris.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 4.77)].<br>FS Date: 2/25/2014 |                             |              |    |                        |           |               |

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>4.61</b> | Rating **    | M  | Issue No.  | <b>55 (cont)</b> |
| LM End   | <b>4.61</b> | Issue Type + | Ma | Location * |                  |

Photo 2 of 3 : UCIP\_SP\_2019\_31028\_56912.jpg



LS view: U type concrete headwall and CMP on levee slope.

Photo 3 of 3 : UCIP\_SP\_2019\_31028\_56911.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Butte County Department of Public Works

| Waterway              | Bank | Unit Miles | Inspection Start/End     | Inspector   |
|-----------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Mud Creek | Left | 7.96       | 04/09/2019<br>04/10/2019 | Makar Sokol |

|   |                             |              |    |                        |               |
|---|-----------------------------|--------------|----|------------------------|---------------|
| LM Start  | 5.64                        | Rating **    | M  | Issue No.              | 56            |
| LM End  | 5.64                        | Issue Type + | Ma | Location *             |               |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |               |
|   |                             |              |    | Start                  | End           |
| Item  | DWR UCIP LMA Responsibility |              |    | 39.738898 °            | 39.738898 °   |
|   |                             |              |    | -121.930242 °          | -121.930242 ° |
| DWR ID  | 19247                       |              |    |                        |               |
| Comment Code  |                             |              |    |                        |               |
|   |                             |              |    |                        |               |
| Inspector Comment   |                             |              |    |                        |               |
| FS_ID:31031<br>DS_ID:19247<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Needs cleaning and clearing of debris.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 5.83)].<br>FS Date: 2/25/2014 |                             |              |    |                        |               |

Photo 1 of 3 : UCIP\_SP\_2019\_31031\_56917.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Soil/mud on outlet box.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>5.64</b> | Rating **    | M  | Issue No.  | <b>56 (cont)</b> |
| LM End   | <b>5.64</b> | Issue Type + | Ma | Location * |                  |

Photo 2 of 3 : UCIP\_SP\_2019\_31031\_56916.jpg



LS view: U type concrete headwall and CMP on levee slope. Soil/mud on inlet box.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Butte County Department of Public Works

| Waterway              | Bank | Unit Miles | Inspection Start/End     | Inspector   |
|-----------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Mud Creek | Left | 7.96       | 04/09/2019<br>04/10/2019 | Makar Sokol |

|   |                             |              |    |                        |               |  |
|---|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start  | 5.64                        | Rating **    | M  | Issue No.              | 56 (cont)     |  |
| LM End  | 5.64                        | Issue Type + | Ma | Location *             |               |  |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |               |  |
|   |                             |              |    | Start                  | End           |  |
| Item  | DWR UCIP LMA Responsibility |              |    | 39.738898 °            | 39.738898 °   |  |
|   |                             |              |    | -121.930242 °          | -121.930242 ° |  |
| DWR ID  | 19247                       |              |    |                        |               |  |
| Comment Code  |                             |              |    |                        |               |  |
|   |                             |              |    |                        |               |  |
| Inspector Comment   |                             |              |    |                        |               |  |
| FS_ID:31031<br>DS_ID:19247<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Needs cleaning and clearing of debris.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 5.83)].<br>FS Date: 2/25/2014 |                             |              |    |                        |               |  |

Photo 3 of 3 : UCIP\_SP\_2019\_31031\_56915.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

|  |                             |              |    |                        |               |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start   | 6.09                        | Rating **    | M  | Issue No.              | 57            |
| LM End   | 6.09                        | Issue Type + | Ma | Location *             |               |
| Category   | Supplemental                |              |    | GPS Latitude/Longitude |               |
|  |                             |              |    | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |    | 39.733297 °            | 39.733297 °   |
|  |                             |              |    | -121.930411 °          | -121.930411 ° |
| DWR ID   | 19248                       |              |    |                        |               |
| Comment Code   |                             |              |    |                        |               |
|  |                             |              |    |                        |               |
| Inspector Comment  |                             |              |    |                        |               |
| FS_ID:41376  |                             |              |    |                        |               |
| DS_ID:19248  |                             |              |    |                        |               |
| EP_NO: N/A   |                             |              |    |                        |               |
| Repair Type: Non-Urgent  |                             |              |    |                        |               |
| Crossing Status: Found   |                             |              |    |                        |               |
| UCIP Comments: Needs cleaning and clearing of debris.  |                             |              |    |                        |               |
| FIELD_STRUCT_DESC: [Channel Slough Drainage Structure] 1 of 2: 42-inch corrugated metal gravity drainage pipe through the levee, 16 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in a corrugated metal pipe (CMP) riser on the WS slope. Concrete U-shaped headwall on each end. Grouted riprap apron and rock revetment on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 6.30)]. |                             |              |    |                        |               |
| FS Date: 2/25/2014   |                             |              |    |                        |               |

Photo 1 of 3 : UCIP\_SP\_2019\_41376\_56920.jpg



WS view: slide gates in CMP risers on levee slope.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Butte County Department of Public Works**

| Waterway              | Bank | Unit Miles | Inspection Start/End     | Inspector   |
|-----------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Mud Creek | Left | 7.96       | 04/09/2019<br>04/10/2019 | Makar Sokol |

|   |                             |              |    |                        |           |               |
|---|-----------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start  | 6.09                        | Rating **    | M  | Issue No.              | 57 (cont) |               |
| LM End  | 6.09                        | Issue Type + | Ma | Location *             |           |               |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |           |               |
|   |                             |              |    | Start                  |           | End           |
| Item  | DWR UCIP LMA Responsibility |              |    | 39.733297 °            |           | 39.733297 °   |
|   |                             |              |    | -121.930411 °          |           | -121.930411 ° |
| DWR ID  | 19248                       |              |    |                        |           |               |
| Comment Code  |                             |              |    |                        |           |               |
|   |                             |              |    |                        |           |               |
| Inspector Comment   |                             |              |    |                        |           |               |
| FS_ID:41376<br>DS_ID:19248<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Needs cleaning and clearing of debris.<br>FIELD_STRUCT_DESC: [Channel Slough Drainage Structure] 1 of 2:<br>42-inch corrugated metal gravity drainage pipe through the levee, 16 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in a corrugated metal pipe (CMP) riser on the WS slope. Concrete U-shaped headwall on each end. Grouted riprap apron and rock revetment on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 6.30)].<br>FS Date: 2/25/2014 |                             |              |    |                        |           |               |

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>6.09</b> | Rating **    | M  | Issue No.  | <b>57 (cont)</b> |
| LM End   | <b>6.09</b> | Issue Type + | Ma | Location * |                  |

Photo 2 of 3 : UCIP\_SP\_2019\_41376\_56919.jpg



WS view: U type concrete headwall, pipes, and flapgates on levee slope. Vegetation debris on outlet box.

Photo 3 of 3 : UCIP\_SP\_2019\_41376\_56918.jpg



LS view: U type concrete headwall and CMPs on levee slope. Soil/mud on inlet box.

|  |  |  |  |   |  |   |  |
|--|--|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|--|--|---|--|---|--|



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Butte County Department of Public Works**

| Waterway              | Bank | Unit Miles | Inspection Start/End     | Inspector   |
|-----------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Mud Creek | Left | 7.96       | 04/09/2019<br>04/10/2019 | Makar Sokol |

|   |                             |              |    |                        |    |               |
|---|-----------------------------|--------------|----|------------------------|----|---------------|
| LM Start  | 6.09                        | Rating **    | M  | Issue No.              | 58 |               |
| LM End  | 6.09                        | Issue Type + | Ma | Location *             |    |               |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |    |               |
|   |                             |              |    | Start                  |    | End           |
| Item  | DWR UCIP LMA Responsibility |              |    | 39.733280 °            |    | 39.733280 °   |
|   |                             |              |    | -121.930409 °          |    | -121.930409 ° |
| DWR ID  | 19259                       |              |    |                        |    |               |
| Comment Code  |                             |              |    |                        |    |               |
|   |                             |              |    |                        |    |               |
| Inspector Comment   |                             |              |    |                        |    |               |
| FS_ID:41377<br>DS_ID:19259<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Needs cleaning and clearing of debris.<br>FIELD_STRUCT_DESC: [Channel Slough Drainage Structure] 2 of 2:<br>42-inch corrugated metal gravity drainage pipe through the levee, 16 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in a corrugated metal pipe (CMP) riser on the WS slope. Concrete U-shaped headwall on each end. Grouted riprap apron and rock revetment on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 6.30)].<br>FS Date: 2/25/2014 |                             |              |    |                        |    |               |

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>6.09</b> | Rating **    | M  | Issue No.  | <b>58 (cont)</b> |
| LM End   | <b>6.09</b> | Issue Type + | Ma | Location * |                  |

Photo 1 of 3 : UCIP\_SP\_2019\_41377\_56923.jpg



WS view: slide gates in CMP risers on levee slope.

Photo 2 of 3 : UCIP\_SP\_2019\_41377\_56922.jpg



LS view: U type concrete headwall and CMPs on levee slope. Vegetation on inlet box.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Butte County Department of Public Works

| Waterway              | Bank | Unit Miles | Inspection Start/End     | Inspector   |
|-----------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Mud Creek | Left | 7.96       | 04/09/2019<br>04/10/2019 | Makar Sokol |

|   |                             |              |    |                        |               |  |
|---|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start  | 6.09                        | Rating **    | M  | Issue No.              | 58 (cont)     |  |
| LM End  | 6.09                        | Issue Type + | Ma | Location *             |               |  |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |               |  |
|   |                             |              |    | Start                  | End           |  |
| Item  | DWR UCIP LMA Responsibility |              |    | 39.733280 °            | 39.733280 °   |  |
|   |                             |              |    | -121.930409 °          | -121.930409 ° |  |
| DWR ID  | 19259                       |              |    |                        |               |  |
| Comment Code  |                             |              |    |                        |               |  |
|   |                             |              |    |                        |               |  |
| Inspector Comment   |                             |              |    |                        |               |  |
| FS_ID:41377<br>DS_ID:19259<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Needs cleaning and clearing of debris.<br>FIELD_STRUCT_DESC: [Channel Slough Drainage Structure] 2 of 2:<br>42-inch corrugated metal gravity drainage pipe through the levee, 16 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in a corrugated metal pipe (CMP) riser on the WS slope. Concrete U-shaped headwall on each end. Grouted riprap apron and rock revetment on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 6.30)].<br>FS Date: 2/25/2014 |                             |              |    |                        |               |  |

Photo 3 of 3 : UCIP\_SP\_2019\_41377\_56921.jpg



LS view: U type concrete headwall and CMPs on levee slope. Soil/mud on inlet box.

|   |                             |              |    |                        |               |
|---|-----------------------------|--------------|----|------------------------|---------------|
| LM Start  | 6.15                        | Rating **    | M  | Issue No.              | 59            |
| LM End  | 6.15                        | Issue Type + | Ma | Location *             |               |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |               |
|   |                             |              |    | Start                  | End           |
| Item  | DWR UCIP LMA Responsibility |              |    | 39.732515 °            | 39.732515 °   |
|   |                             |              |    | -121.930373 °          | -121.930373 ° |
| DWR ID  | 19249                       |              |    |                        |               |
| Comment Code  |                             |              |    |                        |               |
|   |                             |              |    |                        |               |
| Inspector Comment   |                             |              |    |                        |               |
| FS_ID:31034<br>DS_ID:19249<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Needs cleaning and clearing of debris.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 6.35)].<br>FS Date: 2/25/2014 |                             |              |    |                        |               |

Photo 1 of 3 : UCIP\_SP\_2019\_31034\_56926.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope.

|  |  |  |  |   |  |   |  |
|--|--|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Butte County Department of Public Works**

| Waterway              | Bank | Unit Miles | Inspection Start/End     | Inspector   |
|-----------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Mud Creek | Left | 7.96       | 04/09/2019<br>04/10/2019 | Makar Sokol |

|   |                             |              |    |                        |               |
|---|-----------------------------|--------------|----|------------------------|---------------|
| LM Start  | 6.15                        | Rating **    | M  | Issue No.              | 59 (cont)     |
| LM End  | 6.15                        | Issue Type + | Ma | Location *             |               |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |               |
|   |                             |              |    | Start                  | End           |
| Item  | DWR UCIP LMA Responsibility |              |    | 39.732515 °            | 39.732515 °   |
|   |                             |              |    | -121.930373 °          | -121.930373 ° |
| DWR ID  | 19249                       |              |    |                        |               |
| Comment Code  |                             |              |    |                        |               |
|   |                             |              |    |                        |               |
| Inspector Comment   |                             |              |    |                        |               |
| FS_ID:31034<br>DS_ID:19249<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Needs cleaning and clearing of debris.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 6.35)].<br>FS Date: 2/25/2014 |                             |              |    |                        |               |

Photo 2 of 3 : UCIP\_SP\_2019\_31034\_56925.jpg



LS view: U type concrete headwall and CMP on levee slope.

|          |      |              |    |            |           |
|----------|------|--------------|----|------------|-----------|
| LM Start | 6.15 | Rating **    | M  | Issue No.  | 59 (cont) |
| LM End   | 6.15 | Issue Type + | Ma | Location * |           |

Photo 3 of 3 : UCIP\_SP\_2019\_31034\_56924.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Butte County Department of Public Works**

| Waterway              | Bank | Unit Miles | Inspection Start/End     | Inspector   |
|-----------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Mud Creek | Left | 7.96       | 04/09/2019<br>04/10/2019 | Makar Sokol |

|   |                             |              |    |                        |               |
|---|-----------------------------|--------------|----|------------------------|---------------|
| LM Start  | 6.43                        | Rating **    | M  | Issue No.              | 60            |
| LM End  | 6.43                        | Issue Type + | Ma | Location *             |               |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |               |
|   |                             |              |    | Start                  | End           |
| Item  | DWR UCIP LMA Responsibility |              |    | 39.728812 °            | 39.728812 °   |
|   |                             |              |    | -121.932623 °          | -121.932623 ° |
| DWR ID  | 19251                       |              |    |                        |               |
| Comment Code  |                             |              |    |                        |               |
|   |                             |              |    |                        |               |
| Inspector Comment   |                             |              |    |                        |               |
| FS_ID:31085<br>DS_ID:19251<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Needs cleaning and clearing of debris.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 15.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 6.65)].<br>FS Date: 2/25/2014 |                             |              |    |                        |               |

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>6.43</b> | Rating **    | M  | Issue No.  | <b>60 (cont)</b> |
| LM End   | <b>6.43</b> | Issue Type + | Ma | Location * |                  |

Photo 1 of 3 : UCIP\_SP\_2019\_31085\_56988.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Soil/mud on outlet box.

Photo 2 of 3 : UCIP\_SP\_2019\_31085\_56987.jpg



LS view: U type concrete headwall and CMP on levee slope. Soil/mud on inlet box.

|  |  |  |  |   |  |   |  |
|--|--|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|--|--|---|--|---|--|



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Butte County Department of Public Works**

| Waterway              | Bank | Unit Miles | Inspection Start/End     | Inspector   |
|-----------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Mud Creek | Left | 7.96       | 04/09/2019<br>04/10/2019 | Makar Sokol |

|   |                             |              |    |                        |               |  |
|---|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start  | 6.43                        | Rating **    | M  | Issue No.              | 60 (cont)     |  |
| LM End  | 6.43                        | Issue Type + | Ma | Location *             |               |  |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |               |  |
|   |                             |              |    | Start                  | End           |  |
| Item  | DWR UCIP LMA Responsibility |              |    | 39.728812 °            | 39.728812 °   |  |
|   |                             |              |    | -121.932623 °          | -121.932623 ° |  |
| DWR ID  | 19251                       |              |    |                        |               |  |
| Comment Code  |                             |              |    |                        |               |  |
|   |                             |              |    |                        |               |  |
| Inspector Comment   |                             |              |    |                        |               |  |
| FS_ID:31085<br>DS_ID:19251<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Needs cleaning and clearing of debris.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 15.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 6.65)].<br>FS Date: 2/25/2014 |                             |              |    |                        |               |  |

Photo 3 of 3 : UCIP\_SP\_2019\_31085\_56986.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 6.72                    | Rating **    | M  | Issue No.              | 45            |
| LM End  | 6.72                    | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Animal Control          |              |    | 39.725540 °            | 39.725540 °   |
|   |                         |              |    | -121.935924 °          | -121.935924 ° |
| DWR ID  | DWR_NA0003_02_s_2019_45 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
|   |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2019\_NA0003\_65\_45\_20190415\_00066.jpg



View of the rodent holes on the landside slope. Spring 2019.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Butte County Department of Public Works**

| Waterway              | Bank | Unit Miles | Inspection Start/End     | Inspector   |
|-----------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Mud Creek | Left | 7.96       | 04/09/2019<br>04/10/2019 | Makar Sokol |

|   |                             |              |    |                        |    |               |
|---|-----------------------------|--------------|----|------------------------|----|---------------|
| LM Start  | 6.94                        | Rating **    | M  | Issue No.              | 61 |               |
| LM End  | 6.94                        | Issue Type + | Ma | Location *             |    |               |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |    |               |
|   |                             |              |    | Start                  |    | End           |
| Item  | DWR UCIP LMA Responsibility |              |    | 39.722798 °            |    | 39.722798 °   |
|   |                             |              |    | -121.937828 °          |    | -121.937828 ° |
| DWR ID  | 19252                       |              |    |                        |    |               |
| Comment Code  |                             |              |    |                        |    |               |
|   |                             |              |    |                        |    |               |
| Inspector Comment   |                             |              |    |                        |    |               |
| FS_ID:31103<br>DS_ID:19252<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Needs cleaning and clearing of debris.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 15 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 7.17)].<br>FS Date: 2/25/2014 |                             |              |    |                        |    |               |

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>6.94</b> | Rating **    | M  | Issue No.  | <b>61 (cont)</b> |
| LM End   | <b>6.94</b> | Issue Type + | Ma | Location * |                  |

Photo 1 of 3 : UCIP\_SP\_2019\_31103\_57002.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Soil/mud on outlet box. Vegetation debris blocking outlet box

Photo 2 of 3 : UCIP\_SP\_2019\_31103\_57001.jpg



LS view: U type concrete headwall and CMP on levee slope. Soil/mud on inlet box.

|  |  |  |  |   |  |   |  |
|--|--|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Butte County Department of Public Works**

| Waterway              | Bank | Unit Miles | Inspection Start/End     | Inspector   |
|-----------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Mud Creek | Left | 7.96       | 04/09/2019<br>04/10/2019 | Makar Sokol |

|   |                             |              |    |                        |               |  |
|---|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start  | 6.94                        | Rating **    | M  | Issue No.              | 61 (cont)     |  |
| LM End  | 6.94                        | Issue Type + | Ma | Location *             |               |  |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |               |  |
|   |                             |              |    | Start                  | End           |  |
| Item  | DWR UCIP LMA Responsibility |              |    | 39.722798 °            | 39.722798 °   |  |
|   |                             |              |    | -121.937828 °          | -121.937828 ° |  |
| DWR ID  | 19252                       |              |    |                        |               |  |
| Comment Code  |                             |              |    |                        |               |  |
|   |                             |              |    |                        |               |  |
| Inspector Comment   |                             |              |    |                        |               |  |
| FS_ID:31103   |                             |              |    |                        |               |  |
| DS_ID:19252   |                             |              |    |                        |               |  |
| EP_NO: N/A  |                             |              |    |                        |               |  |
| Repair Type: Non-Urgent   |                             |              |    |                        |               |  |
| Crossing Status: Found  |                             |              |    |                        |               |  |
| UCIP Comments: Needs cleaning and clearing of debris.   |                             |              |    |                        |               |  |
| FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 15 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 7.17)]. |                             |              |    |                        |               |  |
| FS Date: 2/25/2014  |                             |              |    |                        |               |  |

Photo 3 of 3 : UCIP\_SP\_2019\_31103\_57000.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

|   |                             |              |    |                        |               |
|---|-----------------------------|--------------|----|------------------------|---------------|
| LM Start  | 7.22                        | Rating **    | M  | Issue No.              | 62            |
| LM End  | 7.22                        | Issue Type + | Ma | Location *             |               |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |               |
|   |                             |              |    | Start                  | End           |
| Item  | DWR UCIP LMA Responsibility |              |    | 39.718882 °            | 39.718882 °   |
|   |                             |              |    | -121.937602 °          | -121.937602 ° |
| DWR ID  | 19253                       |              |    |                        |               |
| Comment Code  |                             |              |    |                        |               |
|   |                             |              |    |                        |               |
| Inspector Comment   |                             |              |    |                        |               |
| FS_ID:32085<br>DS_ID:19253<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Slide gates in CMP risers on waterside shoulder.Needs cleaning and clearing of debris.<br>FIELD_STRUCT_DESC: 1 of 3: 48-inch corrugated metal gravity drainage pipe through the levee, 18 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in a corrugated metal pipe (CMP) riser on the WS shoulder. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 7.46)].<br>FS Date: 2/25/2014 |                             |              |    |                        |               |

Photo 1 of 3 : UCIP\_SP\_2019\_32085\_58585.jpg



WS view: slide gates in CMP risers on waterside shoulder.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Butte County Department of Public Works

| Waterway              | Bank | Unit Miles | Inspection Start/End     | Inspector   |
|-----------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Mud Creek | Left | 7.96       | 04/09/2019<br>04/10/2019 | Makar Sokol |

|   |                             |              |    |                        |               |     |
|---|-----------------------------|--------------|----|------------------------|---------------|-----|
| LM Start  | 7.22                        | Rating **    | M  | Issue No.              | 62 (cont)     |     |
| LM End  | 7.22                        | Issue Type + | Ma | Location *             |               |     |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |               |     |
|   |                             |              |    | Start                  |               | End |
| Item  | DWR UCIP LMA Responsibility |              |    | 39.718882 °            | 39.718882 °   |     |
|   |                             |              |    | -121.937602 °          | -121.937602 ° |     |
| DWR ID  | 19253                       |              |    |                        |               |     |
| Comment Code  |                             |              |    |                        |               |     |
|   |                             |              |    |                        |               |     |
| Inspector Comment   |                             |              |    |                        |               |     |
| FS_ID:32085<br>DS_ID:19253<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Slide gates in CMP risers on waterside shoulder.Needs cleaning and clearing of debris.<br>FIELD_STRUCT_DESC: 1 of 3: 48-inch corrugated metal gravity drainage pipe through the levee, 18 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in a corrugated metal pipe (CMP) riser on the WS shoulder. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 7.46)].<br>FS Date: 2/25/2014 |                             |              |    |                        |               |     |

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>7.22</b> | Rating **    | M  | Issue No.  | <b>62 (cont)</b> |
| LM End   | <b>7.22</b> | Issue Type + | Ma | Location * |                  |

Photo 2 of 3 : UCIP\_SP\_2019\_32085\_58584.jpg



WS view: U type concrete headwall, pipes, and flapgates on levee slope. Soil/mud on outlet box. Vegetation debris blocking outlet box

Photo 3 of 3 : UCIP\_SP\_2019\_32085\_58586.jpg



LS view: U type concrete headwall and CMPs on levee slope. Soil/mud on inlet box.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Butte County Department of Public Works

| Waterway              | Bank | Unit Miles | Inspection Start/End     | Inspector   |
|-----------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Mud Creek | Left | 7.96       | 04/09/2019<br>04/10/2019 | Makar Sokol |

|   |                             |              |    |                        |               |
|---|-----------------------------|--------------|----|------------------------|---------------|
| LM Start  | 7.23                        | Rating **    | M  | Issue No.              | 63            |
| LM End  | 7.23                        | Issue Type + | Ma | Location *             |               |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |               |
|   |                             |              |    | Start                  | End           |
| Item  | DWR UCIP LMA Responsibility |              |    | 39.718849 °            | 39.718849 °   |
|   |                             |              |    | -121.937580 °          | -121.937580 ° |
| DWR ID  | 19261                       |              |    |                        |               |
| Comment Code  |                             |              |    |                        |               |
|   |                             |              |    |                        |               |
| Inspector Comment   |                             |              |    |                        |               |
| FS_ID:32087<br>DS_ID:19261<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Slide gates in CMP risers on waterside shoulder.Needs cleaning and clearing on both pipe ends.<br>FIELD_STRUCT_DESC: 3 of 3: 48-inch corrugated metal gravity drainage pipe through the levee, 18 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in a corrugated metal pipe (CMP) riser on the WS shoulder. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 7.46)].<br>FS Date: 2/25/2014 |                             |              |    |                        |               |

|          |      |              |    |            |           |
|----------|------|--------------|----|------------|-----------|
| LM Start | 7.23 | Rating **    | M  | Issue No.  | 63 (cont) |
| LM End   | 7.23 | Issue Type + | Ma | Location * |           |

Photo 1 of 3 : UCIP\_SP\_2019\_32087\_58592.jpg



WS view: slide gates in CMP risers on waterside shoulder.

Photo 2 of 3 : UCIP\_SP\_2019\_32087\_58591.jpg



WS view: U type concrete headwall, pipes, and flapgates on levee slope.  
Soil/mud on outlet box. Vegetation debris on outlet box

|  |  |  |  |   |   |
|--|--|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|--|--|---|---|



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Butte County Department of Public Works

| Waterway              | Bank | Unit Miles | Inspection Start/End     | Inspector   |
|-----------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Mud Creek | Left | 7.96       | 04/09/2019<br>04/10/2019 | Makar Sokol |

|   |                             |              |    |                        |               |  |
|---|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start  | 7.23                        | Rating **    | M  | Issue No.              | 63 (cont)     |  |
| LM End  | 7.23                        | Issue Type + | Ma | Location *             |               |  |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |               |  |
|   |                             |              |    | Start                  | End           |  |
| Item  | DWR UCIP LMA Responsibility |              |    | 39.718849 °            | 39.718849 °   |  |
|   |                             |              |    | -121.937580 °          | -121.937580 ° |  |
| DWR ID  | 19261                       |              |    |                        |               |  |
| Comment Code  |                             |              |    |                        |               |  |
|   |                             |              |    |                        |               |  |
| Inspector Comment   |                             |              |    |                        |               |  |
| FS_ID:32087   |                             |              |    |                        |               |  |
| DS_ID:19261   |                             |              |    |                        |               |  |
| EP_NO: N/A  |                             |              |    |                        |               |  |
| Repair Type: Non-Urgent   |                             |              |    |                        |               |  |
| Crossing Status: Found  |                             |              |    |                        |               |  |
| UCIP Comments: Slide gates in CMP risers on waterside shoulder.Needs cleaning and clearing on both pipe ends.   |                             |              |    |                        |               |  |
| FIELD_STRUCT_DESC: 3 of 3: 48-inch corrugated metal gravity drainage pipe through the levee, 18 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in a corrugated metal pipe (CMP) riser on the WS shoulder. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 7.46)]. |                             |              |    |                        |               |  |
| FS Date: 2/25/2014  |                             |              |    |                        |               |  |

Photo 3 of 3 : UCIP\_SP\_2019\_32087\_58590.jpg



LS view: U type concrete headwall and CMPs on levee slope. Soil/mud on inlet box.

|   |                             |              |    |                        |               |  |
|---|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start  | 7.23                        | Rating **    | M  | Issue No.              | 64            |  |
| LM End  | 7.23                        | Issue Type + | Ma | Location *             |               |  |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |               |  |
|   |                             |              |    | Start                  | End           |  |
| Item  | DWR UCIP LMA Responsibility |              |    | 39.718862 °            | 39.718862 °   |  |
|   |                             |              |    | -121.937594 °          | -121.937594 ° |  |
| DWR ID  | 19260                       |              |    |                        |               |  |
| Comment Code  |                             |              |    |                        |               |  |
|   |                             |              |    |                        |               |  |
| Inspector Comment   |                             |              |    |                        |               |  |
| FS_ID:32086   |                             |              |    |                        |               |  |
| DS_ID:19260   |                             |              |    |                        |               |  |
| EP_NO: N/A  |                             |              |    |                        |               |  |
| Repair Type: Non-Urgent   |                             |              |    |                        |               |  |
| Crossing Status: Found  |                             |              |    |                        |               |  |
| UCIP Comments: Slide gates in CMP risers on waterside shoulder.Needs cleaning and clearing of debris.   |                             |              |    |                        |               |  |
| FIELD_STRUCT_DESC: 2 of 3: 48-inch corrugated metal gravity drainage pipe through the levee, 18 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in a corrugated metal pipe (CMP) riser on the WS shoulder. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 7.46)]. |                             |              |    |                        |               |  |
| FS Date: 2/25/2014  |                             |              |    |                        |               |  |

Photo 1 of 3 : UCIP\_SP\_2019\_32086\_58589.jpg



WS view: slide gates in CMP risers on waterside shoulder.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Butte County Department of Public Works

| Waterway              | Bank | Unit Miles | Inspection Start/End     | Inspector   |
|-----------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Mud Creek | Left | 7.96       | 04/09/2019<br>04/10/2019 | Makar Sokol |

|   |                             |              |    |                        |           |               |
|---|-----------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start  | 7.23                        | Rating **    | M  | Issue No.              | 64 (cont) |               |
| LM End  | 7.23                        | Issue Type + | Ma | Location *             |           |               |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |           |               |
|   |                             |              |    | Start                  |           | End           |
| Item  | DWR UCIP LMA Responsibility |              |    | 39.718862 °            |           | 39.718862 °   |
|   |                             |              |    | -121.937594 °          |           | -121.937594 ° |
| DWR ID  | 19260                       |              |    |                        |           |               |
| Comment Code  |                             |              |    |                        |           |               |
|   |                             |              |    |                        |           |               |
| Inspector Comment   |                             |              |    |                        |           |               |
| FS_ID:32086<br>DS_ID:19260<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Slide gates in CMP risers on waterside shoulder.Needs cleaning and clearing of debris.<br>FIELD_STRUCT_DESC: 2 of 3: 48-inch corrugated metal gravity drainage pipe through the levee, 18 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in a corrugated metal pipe (CMP) riser on the WS shoulder. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 7.46)].<br>FS Date: 2/25/2014 |                             |              |    |                        |           |               |

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>7.23</b> | Rating **    | M  | Issue No.  | <b>64 (cont)</b> |
| LM End   | <b>7.23</b> | Issue Type + | Ma | Location * |                  |

Photo 2 of 3 : UCIP\_SP\_2019\_32086\_58588.jpg



WS view: U type concrete headwall, pipes, and flapgates on levee slope. Soil/mud on outlet box. Vegetation debris on outlet box

Photo 3 of 3 : UCIP\_SP\_2019\_32086\_58587.jpg



LS view: U type concrete headwall and CMPs on levee slope. Soil/mud on inlet box.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Butte County Department of Public Works**

| Waterway              | Bank | Unit Miles | Inspection Start/End     | Inspector   |
|-----------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Mud Creek | Left | 7.96       | 04/09/2019<br>04/10/2019 | Makar Sokol |

|  |                             |              |    |                        |    |               |
|--|-----------------------------|--------------|----|------------------------|----|---------------|
| LM Start   | 7.77                        | Rating **    | M  | Issue No.              | 65 |               |
| LM End   | 7.77                        | Issue Type + | Ma | Location *             |    |               |
| Category   | Supplemental                |              |    | GPS Latitude/Longitude |    |               |
|  |                             |              |    | Start                  |    | End           |
| Item   | DWR UCIP LMA Responsibility |              |    | 39.711436 °            |    | 39.711436 °   |
|  |                             |              |    | -121.937135 °          |    | -121.937135 ° |
| DWR ID   | 19254                       |              |    |                        |    |               |
| Comment Code   |                             |              |    |                        |    |               |
|  |                             |              |    |                        |    |               |
| Inspector Comment  |                             |              |    |                        |    |               |
| FS_ID:31129<br>DS_ID:19254<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Debris in inlet pipe, needs cleaning and clearing.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 18 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end.<br>[Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 8.09)].<br>FS Date: 2/25/2014 |                             |              |    |                        |    |               |

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>7.77</b> | Rating **    | M  | Issue No.  | <b>65 (cont)</b> |
| LM End   | <b>7.77</b> | Issue Type + | Ma | Location * |                  |

Photo 1 of 2 : UCIP\_SP\_2019\_31129\_57036.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope.  
Soil/mud on outlet box.

Photo 2 of 2 : UCIP\_SP\_2019\_31129\_57035.jpg



LS view: U type concrete headwall and CMP on levee slope. Soil/mud and vegetation on inlet box.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Butte County Department of Public Works**

| Waterway                    | Bank | Unit Miles | Inspection Start/End     | Inspector   |
|-----------------------------|------|------------|--------------------------|-------------|
| Unit No. 02A Channel Slough | Left | 0.26       | 04/10/2019<br>04/10/2019 | Makar Sokol |

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.00                    | Rating **    | A  | Issue No.              | 1             |
| LM End   | 0.26                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Vegetation              |              |    | 39.733076 °            | 39.736421 °   |
|  |                         |              |    | -121.930273 °          | -121.928479 ° |
| DWR ID   | DWR_NA0003_02A_s_2012_1 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| The annual vegetation is well maintained.                              |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2019\_NA0003\_66\_1\_20190415\_00001.jpg



View of the well maintained vegetation on the landside slope. Spring 2019.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.00                    | Rating **    | A  | Issue No.              | 2             |
| LM End   | 0.26                    | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Vegetation              |              |    | 39.733077 °            | 39.736420 °   |
|  |                         |              |    | -121.930273 °          | -121.928478 ° |
| DWR ID   | DWR_NA0003_02A_s_2012_2 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| The annual vegetation is well maintained.                              |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2019\_NA0003\_66\_2\_20190415\_00002.jpg



View of the well maintained vegetation on the waterside slope. Spring 2019.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Butte County Department of Public Works**

| Waterway                                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|--|-------|------------|--------------------------|-------------|
| Unit No. 03 Sycamore and Sheep Hollow Creeks | Right | 4.05       | 04/09/2019<br>04/09/2019 | Makar Sokol |

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 0.02                    | Rating **    | M  | Issue No.              | 12            |
| LM End  | 0.02                    | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Slope Stability         |              |    | 39.785970 °            | 39.785970 °   |
|   |                         |              |    | -121.882797 °          | -121.882797 ° |
| DWR ID  | DWR_NA0003_03_f_2015_12 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible. |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
| Repair the erosion on both slopes caused by motorcycle traffic.                           |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2019\_NA0003\_67\_12\_20190325\_00002.jpg



View of the erosion on both slopes caused by motorcycle traffic.

|   |                        |              |    |                        |               |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start  | 0.07                   | Rating **    | M  | Issue No.              | 3             |
| LM End  | 0.07                   | Issue Type + | Ma | Location *             | WS            |
| Category  | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|   |                        |              |    | Start                  | End           |
| Item  | Slope Stability        |              |    | 39.786068 °            | 39.786068 °   |
|   |                        |              |    | -121.881828 °          | -121.881828 ° |
| DWR ID  | DWR_NA0003_03_s_2012_3 |              |    |                        |               |
| Comment Code  |                        |              |    |                        |               |
| S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible. |                        |              |    |                        |               |
| Inspector Comment   |                        |              |    |                        |               |
|   |                        |              |    |                        |               |

Photo 1 of 1 : SP\_2019\_NA0003\_67\_3\_20190325\_00001.jpg



View of the erosion caused by motorcycles on the landside slope.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Butte County Department of Public Works

| Waterway                                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|--|-------|------------|--------------------------|-------------|
| Unit No. 03 Sycamore and Sheep Hollow Creeks | Right | 4.05       | 04/09/2019<br>04/09/2019 | Makar Sokol |

|  |                             |              |     |                        |               |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 0.10                        | Rating **    | A/W | Issue No.              | 28            |
| LM End   | 0.10                        | Issue Type + | Ma  | Location *             |               |
| Category   | Supplemental                |              |     | GPS Latitude/Longitude |               |
|  |                             |              |     | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |     | 39.786195 °            | 39.786195 °   |
|  |                             |              |     | -121.881325 °          | -121.881325 ° |
| DWR ID   | 19262                       |              |     |                        |               |
| Comment Code   |                             |              |     |                        |               |
|  |                             |              |     |                        |               |
| Inspector Comment  |                             |              |     |                        |               |
| FS_ID:51844<br>DS_ID:19262<br>EP_NO: N/A<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments: 05/16/2017 Crossing has been downgraded from Non-Urgent to No Action Needed. The flap gate appears to be in good working order based on the photos, and the small pile of debris not enough to warrant Non-Urgent rating. (K. Fazel - UCIP)03/11/2014:Slide gate in CMP riser on waterside.The culvert was working during field inspection. (P. Amatya - DWR)<br>FIELD_STRUCT_DESC: 42-inch corrugated metal gravity drainage pipe through the levee, 14 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in a corrugated metal pipe (CMP) riser on the WS slope. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end.<br>[Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.09)].<br>FS Date: 3/11/2014 |                             |              |     |                        |               |

|          |             |              |     |            |                  |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | <b>0.10</b> | Rating **    | A/W | Issue No.  | <b>28 (cont)</b> |
| LM End   | <b>0.10</b> | Issue Type + | Ma  | Location * |                  |

Photo 1 of 3 : UCIP\_SP\_2019\_51844\_58602.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope.

Photo 2 of 3 : UCIP\_SP\_2019\_51844\_58601.jpg



WS view: U type concrete headwall of CMP culvert on levee slope. Grouted riprap levee slope and spillway.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Butte County Department of Public Works**

| Waterway                                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|--|-------|------------|--------------------------|-------------|
| Unit No. 03 Sycamore and Sheep Hollow Creeks | Right | 4.05       | 04/09/2019<br>04/09/2019 | Makar Sokol |

|  |                             |              |     |                        |               |  |
|--|-----------------------------|--------------|-----|------------------------|---------------|--|
| LM Start   | 0.10                        | Rating **    | A/W | Issue No.              | 28 (cont)     |  |
| LM End   | 0.10                        | Issue Type + | Ma  | Location *             |               |  |
| Category   | Supplemental                |              |     | GPS Latitude/Longitude |               |  |
|  |                             |              |     | Start                  | End           |  |
| Item   | DWR UCIP LMA Responsibility |              |     | 39.786195 °            | 39.786195 °   |  |
|  |                             |              |     | -121.881325 °          | -121.881325 ° |  |
| DWR ID   | 19262                       |              |     |                        |               |  |
| Comment Code   |                             |              |     |                        |               |  |
|  |                             |              |     |                        |               |  |
| Inspector Comment  |                             |              |     |                        |               |  |
| FS_ID:51844<br>DS_ID:19262<br>EP_NO: N/A<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments: 05/16/2017 Crossing has been downgraded from Non-Urgent to No Action Needed. The flap gate appears to be in good working order based on the photos, and the small pile of debris not enough to warrant Non-Urgent rating. (K. Fazel - UCIP)03/11/2014:Slide gate in CMP riser on waterside.The culvert was working during field inspection. (P. Amatya - DWR)<br>FIELD_STRUCT_DESC: 42-inch corrugated metal gravity drainage pipe through the levee, 14 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in a corrugated metal pipe (CMP) riser on the WS slope. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end.<br>[Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.09)].<br>FS Date: 3/11/2014 |                             |              |     |                        |               |  |

Photo 3 of 3 : UCIP\_SP\_2019\_51844\_58600.jpg



WS view: slide gate in CMP riser on waterside shoulder.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.14                    | Rating **    | M  | Issue No.              | 27            |
| LM End   | 0.14                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Trim / Thin Trees       |              |    | 39.786368 °            | 39.786368 °   |
|  |                         |              |    | -121.880602 °          | -121.880602 ° |
| DWR ID   | DWR_NA0003_03_s_2019_27 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Trees smaller than 4-inches in diameter at chest height should be removed. |                         |              |    |                        |               |

No Photos

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Butte County Department of Public Works

| Waterway                                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|--|-------|------------|--------------------------|-------------|
| Unit No. 03 Sycamore and Sheep Hollow Creeks | Right | 4.05       | 04/09/2019<br>04/09/2019 | Makar Sokol |

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 0.35                    | Rating **    | M  | Issue No.              | 15            |
| LM End  | 0.35                    | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Trim / Thin Trees       |              |    | 39.785704 °            | 39.785704 °   |
|   |                         |              |    | -121.877004 °          | -121.877004 ° |
| DWR ID  | DWR_NA0003_03_f_2016_15 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| T1 : Trim trees to at least five feet above ground level. |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
|   |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2019\_NA0003\_67\_15\_20190325\_00004.jpg



View of the overgrown tree along the landside slope.

|  |                             |              |     |                        |               |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 0.39                        | Rating **    | A/W | Issue No.              | 29            |
| LM End   | 0.39                        | Issue Type + | Ma  | Location *             |               |
| Category   | Supplemental                |              |     | GPS Latitude/Longitude |               |
|  |                             |              |     | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |     | 39.785262 °            | 39.785262 °   |
|  |                             |              |     | -121.876622 °          | -121.876622 ° |
| DWR ID   | 19278                       |              |     |                        |               |
| Comment Code   |                             |              |     |                        |               |
|  |                             |              |     |                        |               |
| Inspector Comment  |                             |              |     |                        |               |
| FS_ID:32104<br>DS_ID:19278<br>EP_NO: N/A<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments: Slide gate in CMP riser on waterside.The culvert was working during the field visit.<br>FIELD_STRUCT_DESC: 1 of 3: 48-inch corrugated metal gravity drainage pipe through the levee, 11.7 feet below the crown. Slide gate in a riser well on the waterside (WS) slope. Concrete U-shaped headwall on each end. Flap gate on the WS end. Grouted riprap outlet channel on the WS. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.39)].<br>FS Date: 3/11/2014 |                             |              |     |                        |               |

Photo 1 of 2 : UCIP\_SP\_2019\_32104\_58606.jpg



WS view: U type concrete headwall and three CMPs with slide gates on levee slope. Grouted riprap spillway.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Butte County Department of Public Works

| Waterway                                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|--|-------|------------|--------------------------|-------------|
| Unit No. 03 Sycamore and Sheep Hollow Creeks | Right | 4.05       | 04/09/2019<br>04/09/2019 | Makar Sokol |

|  |                             |              |     |                        |               |  |
|--|-----------------------------|--------------|-----|------------------------|---------------|--|
| LM Start   | 0.39                        | Rating **    | A/W | Issue No.              | 29 (cont)     |  |
| LM End   | 0.39                        | Issue Type + | Ma  | Location *             |               |  |
| Category   | Supplemental                |              |     | GPS Latitude/Longitude |               |  |
|  |                             |              |     | Start                  | End           |  |
| Item   | DWR UCIP LMA Responsibility |              |     | 39.785262 °            | 39.785262 °   |  |
|  |                             |              |     | -121.876622 °          | -121.876622 ° |  |
| DWR ID   | 19278                       |              |     |                        |               |  |
| Comment Code   |                             |              |     |                        |               |  |
|  |                             |              |     |                        |               |  |
| Inspector Comment  |                             |              |     |                        |               |  |
| FS_ID:32104<br>DS_ID:19278<br>EP_NO: N/A<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments: Slide gate in CMP riser on waterside.The culvert was working during the field visit.<br>FIELD_STRUCT_DESC: 1 of 3: 48-inch corrugated metal gravity drainage pipe through the levee, 11.7 feet below the crown. Slide gate in a riser well on the waterside (WS) slope. Concrete U-shaped headwall on each end. Flap gate on the WS end. Grouted riprap outlet channel on the WS. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.39)].<br>FS Date: 3/11/2014 |                             |              |     |                        |               |  |

Photo 2 of 2 : UCIP\_SP\_2019\_32104\_58605.jpg



LS view: U type concrete headwall and three CMPs on levee slope. Soil/mud on inlet box.

|  |                             |              |     |                        |               |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 0.39                        | Rating **    | A/W | Issue No.              | 30            |
| LM End   | 0.39                        | Issue Type + | Ma  | Location *             |               |
| Category   | Supplemental                |              |     | GPS Latitude/Longitude |               |
|  |                             |              |     | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |     | 39.785246 °            | 39.785246 °   |
|  |                             |              |     | -121.876609 °          | -121.876609 ° |
| DWR ID   | 19277                       |              |     |                        |               |
| Comment Code   |                             |              |     |                        |               |
|  |                             |              |     |                        |               |
| Inspector Comment  |                             |              |     |                        |               |
| FS_ID:32105<br>DS_ID:19277<br>EP_NO: N/A<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments: Slide gate in CMP riser on waterside.The culvert was working during the field visit.<br>FIELD_STRUCT_DESC: 2 of 3: 48-inch corrugated metal gravity drainage pipe through the levee, 11.7 feet below the crown. Slide gate in a riser well on the waterside (WS) slope. Concrete U-shaped headwall on each end. Flap gate on the WS end. Grouted riprap outlet channel on the WS. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.39)].<br>FS Date: 3/11/2014 |                             |              |     |                        |               |

Photo 1 of 2 : UCIP\_SP\_2019\_32105\_58608.jpg



WS view: U type concrete headwall and three CMPs with slide gates on levee slope. Grouted riprap spillway.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Butte County Department of Public Works

| Waterway                                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|--|-------|------------|--------------------------|-------------|
| Unit No. 03 Sycamore and Sheep Hollow Creeks | Right | 4.05       | 04/09/2019<br>04/09/2019 | Makar Sokol |

|   |                             |              |     |                        |               |
|---|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 0.39                        | Rating **    | A/W | Issue No.              | 30 (cont)     |
| LM End  | 0.39                        | Issue Type + | Ma  | Location *             |               |
| Category  | Supplemental                |              |     | GPS Latitude/Longitude |               |
|   |                             |              |     | Start                  | End           |
| Item  | DWR UCIP LMA Responsibility |              |     | 39.785246 °            | 39.785246 °   |
|   |                             |              |     | -121.876609 °          | -121.876609 ° |
| DWR ID  | 19277                       |              |     |                        |               |
| Comment Code  |                             |              |     |                        |               |
|   |                             |              |     |                        |               |
| Inspector Comment   |                             |              |     |                        |               |
| FS_ID:32105<br>DS_ID:19277<br>EP_NO: N/A<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments: Slide gate in CMP riser on waterside. The culvert was working during the field visit.<br>FIELD_STRUCT_DESC: 2 of 3: 48-inch corrugated metal gravity drainage pipe through the levee, 11.7 feet below the crown. Slide gate in a riser well on the waterside (WS) slope. Concrete U-shaped headwall on each end. Flap gate on the WS end. Grouted riprap outlet channel on the WS. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.39)].<br>FS Date: 3/11/2014 |                             |              |     |                        |               |

Photo 2 of 2 : UCIP\_SP\_2019\_32105\_58607.jpg



LS view: U type concrete headwall and three CMPs on levee slope. Soil/mud on inlet box.

|  |                             |              |     |                        |               |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 0.39                        | Rating **    | A/W | Issue No.              | 31            |
| LM End   | 0.39                        | Issue Type + | Ma  | Location *             |               |
| Category   | Supplemental                |              |     | GPS Latitude/Longitude |               |
|  |                             |              |     | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |     | 39.785230 °            | 39.785230 °   |
|  |                             |              |     | -121.876592 °          | -121.876592 ° |
| DWR ID   | 19263                       |              |     |                        |               |
| Comment Code   |                             |              |     |                        |               |
|  |                             |              |     |                        |               |
| Inspector Comment  |                             |              |     |                        |               |
| FS_ID:32106<br>DS_ID:19263<br>EP_NO: N/A<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments: Slide gate in CMP riser on waterside.The culvert was working during the field visit.<br>FIELD_STRUCT_DESC: 3 of 3: 48-inch corrugated metal gravity drainage pipe through the levee, 11.7 feet below the crown. Slide gate in a riser well on the waterside (WS) slope. Concrete U-shaped headwall on each end. Flap gate on the WS end. Grouted riprap outlet channel on the WS. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.39)].<br>FS Date: 3/11/2014 |                             |              |     |                        |               |

Photo 1 of 2 : UCIP\_SP\_2019\_32106\_58610.jpg



WS view: U type concrete headwall and three CMPs with slide gates on levee slope. Grouted riprap spillway.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Butte County Department of Public Works

| Waterway                                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|--|-------|------------|--------------------------|-------------|
| Unit No. 03 Sycamore and Sheep Hollow Creeks | Right | 4.05       | 04/09/2019<br>04/09/2019 | Makar Sokol |

|  |                             |              |     |                        |               |  |
|--|-----------------------------|--------------|-----|------------------------|---------------|--|
| LM Start   | 0.39                        | Rating **    | A/W | Issue No.              | 31 (cont)     |  |
| LM End   | 0.39                        | Issue Type + | Ma  | Location *             |               |  |
| Category   | Supplemental                |              |     | GPS Latitude/Longitude |               |  |
|  |                             |              |     | Start                  | End           |  |
| Item   | DWR UCIP LMA Responsibility |              |     | 39.785230 °            | 39.785230 °   |  |
|  |                             |              |     | -121.876592 °          | -121.876592 ° |  |
| DWR ID   | 19263                       |              |     |                        |               |  |
| Comment Code   |                             |              |     |                        |               |  |
|  |                             |              |     |                        |               |  |
| Inspector Comment  |                             |              |     |                        |               |  |
| FS_ID:32106<br>DS_ID:19263<br>EP_NO: N/A<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments: Slide gate in CMP riser on waterside.The culvert was working during the field visit.<br>FIELD_STRUCT_DESC: 3 of 3: 48-inch corrugated metal gravity drainage pipe through the levee, 11.7 feet below the crown. Slide gate in a riser well on the waterside (WS) slope. Concrete U-shaped headwall on each end. Flap gate on the WS end. Grouted riprap outlet channel on the WS. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.39)].<br>FS Date: 3/11/2014 |                             |              |     |                        |               |  |

Photo 2 of 2 : UCIP\_SP\_2019\_32106\_58609.jpg



LS view: U type concrete headwall and three CMPs on levee slope.  
Soil/mud on inlet box.

|   |                             |              |     |                        |               |
|---|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 1.25                        | Rating **    | A/W | Issue No.              | 32            |
| LM End  | 1.25                        | Issue Type + | Ma  | Location *             |               |
| Category  | Supplemental                |              |     | GPS Latitude/Longitude |               |
|   |                             |              |     | Start                  | End           |
| Item  | DWR UCIP LMA Responsibility |              |     | 39.779678 °            | 39.779678 °   |
|   |                             |              |     | -121.862632 °          | -121.862632 ° |
| DWR ID  | 19264                       |              |     |                        |               |
| Comment Code  |                             |              |     |                        |               |
|   |                             |              |     |                        |               |
| Inspector Comment   |                             |              |     |                        |               |
| FS_ID:32107   |                             |              |     |                        |               |
| DS_ID:19264   |                             |              |     |                        |               |
| EP_NO: N/A  |                             |              |     |                        |               |
| Repair Type: No Action Needed                                     |                             |              |     |                        |               |
| Crossing Status: Found  |                             |              |     |                        |               |
| UCIP Comments: The culvert was working during the field visit.    |                             |              |     |                        |               |
| FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe |                             |              |     |                        |               |
| through the levee, 11.7 feet below the crown. Flap gate on the    |                             |              |     |                        |               |
| waterside (WS) end. Concrete U-shaped headwall on each end.       |                             |              |     |                        |               |
| [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento   |                             |              |     |                        |               |
| O&M Manual 504, May 1965, (HLM 1.28)].                            |                             |              |     |                        |               |
| FS Date: 3/11/2014  |                             |              |     |                        |               |

Photo 1 of 3 : UCIP\_SP\_2019\_32107\_58613.jpg



WS view: U type concrete headwall and grouted riprap on levee slope.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Butte County Department of Public Works**

| Waterway                                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|--|-------|------------|--------------------------|-------------|
| Unit No. 03 Sycamore and Sheep Hollow Creeks | Right | 4.05       | 04/09/2019<br>04/09/2019 | Makar Sokol |

|   |                             |              |     |                        |               |
|---|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 1.25                        | Rating **    | A/W | Issue No.              | 32 (cont)     |
| LM End  | 1.25                        | Issue Type + | Ma  | Location *             |               |
| Category  | Supplemental                |              |     | GPS Latitude/Longitude |               |
|   |                             |              |     | Start                  | End           |
| Item  | DWR UCIP LMA Responsibility |              |     | 39.779678 °            | 39.779678 °   |
|   |                             |              |     | -121.862632 °          | -121.862632 ° |
| DWR ID  | 19264                       |              |     |                        |               |
| Comment Code  |                             |              |     |                        |               |
|   |                             |              |     |                        |               |
| Inspector Comment   |                             |              |     |                        |               |
| FS_ID:32107   |                             |              |     |                        |               |
| DS_ID:19264   |                             |              |     |                        |               |
| EP_NO: N/A  |                             |              |     |                        |               |
| Repair Type: No Action Needed                                     |                             |              |     |                        |               |
| Crossing Status: Found  |                             |              |     |                        |               |
| UCIP Comments: The culvert was working during the field visit.    |                             |              |     |                        |               |
| FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe |                             |              |     |                        |               |
| through the levee, 11.7 feet below the crown. Flap gate on the    |                             |              |     |                        |               |
| waterside (WS) end. Concrete U-shaped headwall on each end.       |                             |              |     |                        |               |
| [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento   |                             |              |     |                        |               |
| O&M Manual 504, May 1965, (HLM 1.28)].                            |                             |              |     |                        |               |
| FS Date: 3/11/2014  |                             |              |     |                        |               |

Photo 2 of 3 : UCIP\_SP\_2019\_32107\_58612.jpg



WS view: U type concrete headwall, flapgate, and CMP on levee slope.

|          |      |              |     |            |           |
|----------|------|--------------|-----|------------|-----------|
| LM Start | 1.25 | Rating **    | A/W | Issue No.  | 32 (cont) |
| LM End   | 1.25 | Issue Type + | Ma  | Location * |           |

Photo 3 of 3 : UCIP\_SP\_2019\_32107\_58611.jpg



LS view: U type concrete headwall and CMP on levee slope.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Butte County Department of Public Works**

| Waterway                                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|--|-------|------------|--------------------------|-------------|
| Unit No. 03 Sycamore and Sheep Hollow Creeks | Right | 4.05       | 04/09/2019<br>04/09/2019 | Makar Sokol |

|   |                             |              |     |                        |               |
|---|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 1.50                        | Rating **    | A/W | Issue No.              | 33            |
| LM End  | 1.50                        | Issue Type + | Ma  | Location *             |               |
| Category  | Supplemental                |              |     | GPS Latitude/Longitude |               |
|   |                             |              |     | Start                  | End           |
| Item  | DWR UCIP LMA Responsibility |              |     | 39.779230 °            | 39.779230 °   |
|   |                             |              |     | -121.857945 °          | -121.857945 ° |
| DWR ID  | 19265                       |              |     |                        |               |
| Comment Code  |                             |              |     |                        |               |
|   |                             |              |     |                        |               |
| Inspector Comment   |                             |              |     |                        |               |
| FS_ID:31899   |                             |              |     |                        |               |
| DS_ID:19265   |                             |              |     |                        |               |
| EP_NO: N/A  |                             |              |     |                        |               |
| Repair Type: No Action Needed   |                             |              |     |                        |               |
| Crossing Status: Found  |                             |              |     |                        |               |
| UCIP Comments: Working during the field visit.  |                             |              |     |                        |               |
| FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on each end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 1.53)]. |                             |              |     |                        |               |
| FS Date: 3/11/2014  |                             |              |     |                        |               |

|          |             |              |     |            |                  |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | <b>1.50</b> | Rating **    | A/W | Issue No.  | <b>33 (cont)</b> |
| LM End   | <b>1.50</b> | Issue Type + | Ma  | Location * |                  |

Photo 1 of 2 : UCIP\_SP\_2019\_31899\_58187.jpg



WS view: U type concrete headwall, flapgate, and CMP on levee slope. Looks clean and clear.

Photo 2 of 2 : UCIP\_SP\_2019\_31899\_58186.jpg



LS view: U type concrete headwall and CMP on levee slope. Looks clean and clear.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Butte County Department of Public Works**

| Waterway                                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|--|-------|------------|--------------------------|-------------|
| Unit No. 03 Sycamore and Sheep Hollow Creeks | Right | 4.05       | 04/09/2019<br>04/09/2019 | Makar Sokol |

|   |                             |              |    |                        |               |  |
|---|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start  | 2.17                        | Rating **    | M  | Issue No.              | 35            |  |
| LM End  | 2.17                        | Issue Type + | Ma | Location *             |               |  |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |               |  |
|   |                             |              |    | Start                  | End           |  |
| Item  | DWR UCIP LMA Responsibility |              |    | 39.785290 °            | 39.785290 °   |  |
|   |                             |              |    | -121.844235 °          | -121.844235 ° |  |
| DWR ID  | 19267                       |              |    |                        |               |  |
| Comment Code  |                             |              |    |                        |               |  |
|   |                             |              |    |                        |               |  |
| Inspector Comment   |                             |              |    |                        |               |  |
| FS_ID:32124<br>DS_ID:19267<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Pipe is about 4 feet below the crown. Needs cleaning and clearing the culvert.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 6 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 2.23)].<br>FS Date: 3/7/2014 |                             |              |    |                        |               |  |

|          |      |              |    |            |           |
|----------|------|--------------|----|------------|-----------|
| LM Start | 2.17 | Rating **    | M  | Issue No.  | 35 (cont) |
| LM End   | 2.17 | Issue Type + | Ma | Location * |           |

Photo 1 of 3 : UCIP\_SP\_2019\_32124\_58625.jpg



WS view: concrete headwall, pipe, and flapgate on levee slope.  
Vegetation and mud on outlet box.

Photo 2 of 3 : UCIP\_SP\_2019\_32124\_58624.jpg



LS view: U type concrete headwall of CMP culvert on levee slope.  
Vegetation on inlet box.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Butte County Department of Public Works

| Waterway                                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|--|-------|------------|--------------------------|-------------|
| Unit No. 03 Sycamore and Sheep Hollow Creeks | Right | 4.05       | 04/09/2019<br>04/09/2019 | Makar Sokol |

|   |                             |              |    |                        |           |               |
|---|-----------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start  | 2.17                        | Rating **    | M  | Issue No.              | 35 (cont) |               |
| LM End  | 2.17                        | Issue Type + | Ma | Location *             |           |               |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |           |               |
|   |                             |              |    | Start                  |           | End           |
| Item  | DWR UCIP LMA Responsibility |              |    | 39.785290 °            |           | 39.785290 °   |
|   |                             |              |    | -121.844235 °          |           | -121.844235 ° |
| DWR ID  | 19267                       |              |    |                        |           |               |
| Comment Code  |                             |              |    |                        |           |               |
|   |                             |              |    |                        |           |               |
| Inspector Comment   |                             |              |    |                        |           |               |
| FS_ID:32124<br>DS_ID:19267<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Pipe is about 4 feet below the crown. Needs cleaning and clearing the culvert.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 6 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 2.23)].<br>FS Date: 3/7/2014 |                             |              |    |                        |           |               |

Photo 3 of 3 : UCIP\_SP\_2019\_32124\_58627.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

|  |                                  |              |     |                        |               |
|--|----------------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 2.68                             | Rating **    | A/W | Issue No.              | 23            |
| LM End   | 2.72                             | Issue Type + | Ma  | Location *             | WS            |
| Category   | Supplemental                     |              |     | GPS Latitude/Longitude |               |
|  |                                  |              |     | Start                  | End           |
| Item   | 2017 USACE Erosion Survey, DRAFT |              |     | 39.781508 °            | 39.781327 °   |
|  |                                  |              |     | -121.850137 °          | -121.850828 ° |
| DWR ID   | DWR_ST0010_02_f_2022_13          |              |     |                        |               |
| Comment Code   |                                  |              |     |                        |               |
|  |                                  |              |     |                        |               |
| Inspector Comment  |                                  |              |     |                        |               |
| 2017 Site ID: CHI 2.7 L<br>Status: Eroding New<br>2017 Field Notes: No trees on bank or levee. Large erosion scarp along lower bank.<br>Site History: DWR reviewed the site. The erosion does not impact the levee prism. Continue to monitor. |                                  |              |     |                        |               |

No Photos

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Butte County Department of Public Works

| Waterway                                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|--|-------|------------|--------------------------|-------------|
| Unit No. 03 Sycamore and Sheep Hollow Creeks | Right | 4.05       | 04/09/2019<br>04/09/2019 | Makar Sokol |

|  |                             |              |    |                        |               |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start   | 3.08                        | Rating **    | M  | Issue No.              | 37            |
| LM End   | 3.08                        | Issue Type + | Ma | Location *             |               |
| Category   | Supplemental                |              |    | GPS Latitude/Longitude |               |
|  |                             |              |    | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |    | 39.778016 °            | 39.778016 °   |
|  |                             |              |    | -121.854460 °          | -121.854460 ° |
| DWR ID   | 19269                       |              |    |                        |               |
| Comment Code   |                             |              |    |                        |               |
|  |                             |              |    |                        |               |
| Inspector Comment  |                             |              |    |                        |               |
| FS_ID:31901<br>DS_ID:19269<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Needs cleaning and clearing the culvert.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.16)].<br>FS Date: 3/7/2014 |                             |              |    |                        |               |

Photo 1 of 3 : UCIP\_SP\_2019\_31901\_58194.jpg



WS view: U type concrete headwall, flapgate, and CMP on levee slope.  
Needs cleaning and clearing.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>3.08</b> | Rating **    | M  | Issue No.  | <b>37 (cont)</b> |
| LM End   | <b>3.08</b> | Issue Type + | Ma | Location * |                  |

Photo 2 of 3 : UCIP\_SP\_2019\_31901\_58193.jpg



LS view: U type concrete headwall and CMP on levee slope. Soil/mud on inlet box.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Butte County Department of Public Works**

| Waterway                                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|--|-------|------------|--------------------------|-------------|
| Unit No. 03 Sycamore and Sheep Hollow Creeks | Right | 4.05       | 04/09/2019<br>04/09/2019 | Makar Sokol |

|  |                             |              |    |                        |           |               |
|--|-----------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start   | 3.08                        | Rating **    | M  | Issue No.              | 37 (cont) |               |
| LM End   | 3.08                        | Issue Type + | Ma | Location *             |           |               |
| Category   | Supplemental                |              |    | GPS Latitude/Longitude |           |               |
|  |                             |              |    | Start                  |           | End           |
| Item   | DWR UCIP LMA Responsibility |              |    | 39.778016 °            |           | 39.778016 °   |
|  |                             |              |    | -121.854460 °          |           | -121.854460 ° |
| DWR ID   | 19269                       |              |    |                        |           |               |
| Comment Code   |                             |              |    |                        |           |               |
|  |                             |              |    |                        |           |               |
| Inspector Comment  |                             |              |    |                        |           |               |
| FS_ID:31901<br>DS_ID:19269<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Needs cleaning and clearing the culvert.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.16)].<br>FS Date: 3/7/2014 |                             |              |    |                        |           |               |

Photo 3 of 3 : UCIP\_SP\_2019\_31901\_58195.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 3.09                    | Rating **    | M  | Issue No.              | 22            |
| LM End   | 3.09                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Vegetation              |              |    | 39.777880 °            | 39.777880 °   |
|  |                         |              |    | -121.854230 °          | -121.854230 ° |
| DWR ID   | DWR_NA0003_03_s_2019_22 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| V2 : Remove the wild growth other than native grasses from the levee slopes. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
|  |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2019\_NA0003\_67\_22\_20190415\_00038.jpg



View of the wild growth at the landside toe. Spring 2019.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Butte County Department of Public Works**

| Waterway                                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|--|-------|------------|--------------------------|-------------|
| Unit No. 03 Sycamore and Sheep Hollow Creeks | Right | 4.05       | 04/09/2019<br>04/09/2019 | Makar Sokol |

|   |                             |              |     |                        |               |
|---|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 3.19                        | Rating **    | A/W | Issue No.              | 38            |
| LM End  | 3.19                        | Issue Type + | Ma  | Location *             |               |
| Category  | Supplemental                |              |     | GPS Latitude/Longitude |               |
|   |                             |              |     | Start                  | End           |
| Item  | DWR UCIP LMA Responsibility |              |     | 39.777463 °            | 39.777463 °   |
|   |                             |              |     | -121.852512 °          | -121.852512 ° |
| DWR ID  | 19270                       |              |     |                        |               |
| Comment Code  |                             |              |     |                        |               |
|   |                             |              |     |                        |               |
| Inspector Comment   |                             |              |     |                        |               |
| FS_ID:31902<br>DS_ID:19270<br>EP_NO: N/A<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments:<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.28)].<br>FS Date: 3/7/2014 |                             |              |     |                        |               |

Photo 1 of 3 : UCIP\_SP\_2019\_31902\_58201.jpg



WS view: U type concrete headwall and grouted riprap spillway on levee slope.

|          |             |              |     |            |                  |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | <b>3.19</b> | Rating **    | A/W | Issue No.  | <b>38 (cont)</b> |
| LM End   | <b>3.19</b> | Issue Type + | Ma  | Location * |                  |

Photo 2 of 3 : UCIP\_SP\_2019\_31902\_58200.jpg



WS view: U type concrete headwall and CMP on levee slope.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Butte County Department of Public Works

| Waterway                                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|--|-------|------------|--------------------------|-------------|
| Unit No. 03 Sycamore and Sheep Hollow Creeks | Right | 4.05       | 04/09/2019<br>04/09/2019 | Makar Sokol |

|   |                             |              |     |                        |               |
|---|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 3.19                        | Rating **    | A/W | Issue No.              | 38 (cont)     |
| LM End  | 3.19                        | Issue Type + | Ma  | Location *             |               |
| Category  | Supplemental                |              |     | GPS Latitude/Longitude |               |
|   |                             |              |     | Start                  | End           |
| Item  | DWR UCIP LMA Responsibility |              |     | 39.777463 °            | 39.777463 °   |
|   |                             |              |     | -121.852512 °          | -121.852512 ° |
| DWR ID  | 19270                       |              |     |                        |               |
| Comment Code  |                             |              |     |                        |               |
|   |                             |              |     |                        |               |
| Inspector Comment   |                             |              |     |                        |               |
| FS_ID:31902   |                             |              |     |                        |               |
| DS_ID:19270   |                             |              |     |                        |               |
| EP_NO: N/A  |                             |              |     |                        |               |
| Repair Type: No Action Needed   |                             |              |     |                        |               |
| Crossing Status: Found  |                             |              |     |                        |               |
| UCIP Comments:  |                             |              |     |                        |               |
| FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.28)]. |                             |              |     |                        |               |
| FS Date: 3/7/2014   |                             |              |     |                        |               |

Photo 3 of 3 : UCIP\_SP\_2019\_31902\_58199.jpg



LS view: U type concrete headwall and CMP on levee slope. Soil/mud on inlet box.

|  |                             |              |    |                        |               |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start   | 3.34                        | Rating **    | M  | Issue No.              | 39            |
| LM End   | 3.34                        | Issue Type + | Ma | Location *             |               |
| Category   | Supplemental                |              |    | GPS Latitude/Longitude |               |
|  |                             |              |    | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |    | 39.777410 °            | 39.777410 °   |
|  |                             |              |    | -121.849627 °          | -121.849627 ° |
| DWR ID   | 19271                       |              |    |                        |               |
| Comment Code   |                             |              |    |                        |               |
|  |                             |              |    |                        |               |
| Inspector Comment  |                             |              |    |                        |               |
| FS_ID:31864<br>DS_ID:19271<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Needs cleaning and clearing the culvert.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.43)].<br>FS Date: 3/7/2014 |                             |              |    |                        |               |

Photo 1 of 3 : UCIP\_SP\_2019\_31864\_58069.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Soil/mud on outlet box. Vegetation debris blocking outlet box.

|  |  |  |  |   |  |   |  |
|--|--|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|--|--|---|--|---|--|



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Butte County Department of Public Works**

| Waterway                                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|--|-------|------------|--------------------------|-------------|
| Unit No. 03 Sycamore and Sheep Hollow Creeks | Right | 4.05       | 04/09/2019<br>04/09/2019 | Makar Sokol |

|  |                             |              |    |                        |           |               |
|--|-----------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start   | 3.34                        | Rating **    | M  | Issue No.              | 39 (cont) |               |
| LM End   | 3.34                        | Issue Type + | Ma | Location *             |           |               |
| Category   | Supplemental                |              |    | GPS Latitude/Longitude |           |               |
|  |                             |              |    | Start                  |           | End           |
| Item   | DWR UCIP LMA Responsibility |              |    | 39.777410 °            |           | 39.777410 °   |
|  |                             |              |    | -121.849627 °          |           | -121.849627 ° |
| DWR ID   | 19271                       |              |    |                        |           |               |
| Comment Code   |                             |              |    |                        |           |               |
|  |                             |              |    |                        |           |               |
| Inspector Comment  |                             |              |    |                        |           |               |
| FS_ID:31864<br>DS_ID:19271<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Needs cleaning and clearing the culvert.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.43)].<br>FS Date: 3/7/2014 |                             |              |    |                        |           |               |

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>3.34</b> | Rating **    | M  | Issue No.  | <b>39 (cont)</b> |
| LM End   | <b>3.34</b> | Issue Type + | Ma | Location * |                  |

Photo 2 of 3 : UCIP\_SP\_2019\_31864\_58068.jpg



LS view: U type concrete headwall and CMP on levee slope. Soil/mud on inlet box.

Photo 3 of 3 : UCIP\_SP\_2019\_31864\_58067.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable  |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|  |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  |   |  |



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Butte County Department of Public Works

| Waterway                                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|--|-------|------------|--------------------------|-------------|
| Unit No. 03 Sycamore and Sheep Hollow Creeks | Right | 4.05       | 04/09/2019<br>04/09/2019 | Makar Sokol |

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 3.38                    | Rating **    | M  | Issue No.              | 14            |
| LM End   | 3.38                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Vegetation              |              |    | 39.777429 °            | 39.777429 °   |
|  |                         |              |    | -121.848937 °          | -121.848937 ° |
| DWR ID   | DWR_NA0003_03_f_2016_14 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| V2 : Remove the wild growth other than native grasses from the levee slopes. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
|  |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2019\_NA0003\_67\_14\_20190325\_00003.jpg



View of a bush along the landside toe.

|  |                             |              |    |                        |               |  |
|--|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start   | 3.50                        | Rating **    | M  | Issue No.              | 40            |  |
| LM End   | 3.50                        | Issue Type + | Ma | Location *             |               |  |
| Category   | Supplemental                |              |    | GPS Latitude/Longitude |               |  |
|  |                             |              |    | Start                  | End           |  |
| Item   | DWR UCIP LMA Responsibility |              |    | 39.777139 °            | 39.777139 °   |  |
|  |                             |              |    | -121.846769 °          | -121.846769 ° |  |
| DWR ID   | 19272                       |              |    |                        |               |  |
| Comment Code   |                             |              |    |                        |               |  |
|  |                             |              |    |                        |               |  |
| Inspector Comment  |                             |              |    |                        |               |  |
| FS_ID:31856  |                             |              |    |                        |               |  |
| DS_ID:19272  |                             |              |    |                        |               |  |
| EP_NO: N/A   |                             |              |    |                        |               |  |
| Repair Type: Non-Urgent  |                             |              |    |                        |               |  |
| Crossing Status: Found   |                             |              |    |                        |               |  |
| UCIP Comments: Needs cleaning and clearing the culvert.  |                             |              |    |                        |               |  |
| FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.59)]. |                             |              |    |                        |               |  |
| FS Date: 3/7/2014  |                             |              |    |                        |               |  |

Photo 1 of 3 : UCIP\_SP\_2019\_31856\_58053.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope.  
Soil/mud on outlet box.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Butte County Department of Public Works**

| Waterway                                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|--|-------|------------|--------------------------|-------------|
| Unit No. 03 Sycamore and Sheep Hollow Creeks | Right | 4.05       | 04/09/2019<br>04/09/2019 | Makar Sokol |

|   |                             |              |    |                        |           |               |
|---|-----------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start  | 3.50                        | Rating **    | M  | Issue No.              | 40 (cont) |               |
| LM End  | 3.50                        | Issue Type + | Ma | Location *             |           |               |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |           |               |
|   |                             |              |    | Start                  |           | End           |
| Item  | DWR UCIP LMA Responsibility |              |    | 39.777139 °            |           | 39.777139 °   |
|   |                             |              |    | -121.846769 °          |           | -121.846769 ° |
| DWR ID  | 19272                       |              |    |                        |           |               |
| Comment Code  |                             |              |    |                        |           |               |
|   |                             |              |    |                        |           |               |
| Inspector Comment   |                             |              |    |                        |           |               |
| FS_ID:31856<br>DS_ID:19272<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Needs cleaning and clearing the culvert.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.59)].<br>FS Date: 3/7/2014 |                             |              |    |                        |           |               |

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>3.50</b> | Rating **    | M  | Issue No.  | <b>40 (cont)</b> |
| LM End   | <b>3.50</b> | Issue Type + | Ma | Location * |                  |

Photo 2 of 3 : UCIP\_SP\_2019\_31856\_58052.jpg



LS view: U type concrete headwall and CMP on levee slope. Soil/mud on inlet box.

Photo 3 of 3 : UCIP\_SP\_2019\_31856\_58051.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Butte County Department of Public Works**

| Waterway                                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|--|-------|------------|--------------------------|-------------|
| Unit No. 03 Sycamore and Sheep Hollow Creeks | Right | 4.05       | 04/09/2019<br>04/09/2019 | Makar Sokol |

|   |                             |              |    |                        |               |
|---|-----------------------------|--------------|----|------------------------|---------------|
| LM Start  | 3.68                        | Rating **    | M  | Issue No.              | 42            |
| LM End  | 3.68                        | Issue Type + | Ma | Location *             |               |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |               |
|   |                             |              |    | Start                  | End           |
| Item  | DWR UCIP LMA Responsibility |              |    | 39.777662 °            | 39.777662 °   |
|   |                             |              |    | -121.843489 °          | -121.843489 ° |
| DWR ID  | 19275                       |              |    |                        |               |
| Comment Code  |                             |              |    |                        |               |
|   |                             |              |    |                        |               |
| Inspector Comment   |                             |              |    |                        |               |
| FS_ID:32125<br>DS_ID:19275<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: The culvert was working during the field visit.Needs cleaning and clearing on both ends of the pipe.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 7.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.76)].<br>FS Date: 3/4/2014 |                             |              |    |                        |               |

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>3.68</b> | Rating **    | M  | Issue No.  | <b>42 (cont)</b> |
| LM End   | <b>3.68</b> | Issue Type + | Ma | Location * |                  |

Photo 1 of 2 : UCIP\_SP\_2019\_32125\_58629.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Soil/mud on outlet box. Vegetation debris blocking outlet box.

Photo 2 of 2 : UCIP\_SP\_2019\_32125\_58628.jpg



LS view: U type concrete headwall and pipe on levee slope. Soil/mud on inlet box. Vegetation debris blocking inlet box.

|  |  |  |  |   |  |   |  |
|--|--|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|--|--|---|--|---|--|



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Butte County Department of Public Works

| Waterway                            | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|-------------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 04 Sycamore and Dry Creeks | Right | 2.86       | 04/09/2019<br>04/09/2019 | Makar Sokol |

|  |                        |              |    |                        |               |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.00                   | Rating **    | A  | Issue No.              | 5             |
| LM End   | 2.85                   | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|  |                        |              |    | Start                  | End           |
| Item   | Vegetation             |              |    | 39.776060 °            | 39.784655 °   |
|  |                        |              |    | -121.845856 °          | -121.882883 ° |
| DWR ID   | DWR_NA0003_04_s_2012_5 |              |    |                        |               |
| Comment Code   |                        |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                        |              |    |                        |               |
| Inspector Comment  |                        |              |    |                        |               |
| Excellent vegetation control on the waterside slope.                   |                        |              |    |                        |               |

Photo 1 of 1 : SP\_2019\_NA0003\_68\_5\_20190415\_00036.jpg



View of the vegetation control on the waterside slope. Spring 2019.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.16                    | Rating **    | M  | Issue No.              | 20            |
| LM End   | 0.16                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Vegetation              |              |    | 39.776526 °            | 39.776526 °   |
|  |                         |              |    | -121.848727 °          | -121.848727 ° |
| DWR ID   | DWR_NA0003_04_f_2016_20 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| V2 : Remove the wild growth other than native grasses from the levee slopes. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
|  |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2019\_NA0003\_68\_20\_20190325\_00005.jpg



View of the vegetation along the landside toe.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Butte County Department of Public Works**

| Waterway                            | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|-------------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 04 Sycamore and Dry Creeks | Right | 2.86       | 04/09/2019<br>04/09/2019 | Makar Sokol |

|   |                             |              |    |                        |    |               |
|---|-----------------------------|--------------|----|------------------------|----|---------------|
| LM Start  | 0.27                        | Rating **    | M  | Issue No.              | 42 |               |
| LM End  | 0.27                        | Issue Type + | Ma | Location *             |    |               |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |    |               |
|   |                             |              |    | Start                  |    | End           |
| Item  | DWR UCIP LMA Responsibility |              |    | 39.776554 °            |    | 39.776554 °   |
|   |                             |              |    | -121.850730 °          |    | -121.850730 ° |
| DWR ID  | 19279                       |              |    |                        |    |               |
| Comment Code  |                             |              |    |                        |    |               |
|   |                             |              |    |                        |    |               |
| Inspector Comment   |                             |              |    |                        |    |               |
| FS_ID:32026   |                             |              |    |                        |    |               |
| DS_ID:19279   |                             |              |    |                        |    |               |
| EP_NO: N/A  |                             |              |    |                        |    |               |
| Repair Type: Non-Urgent   |                             |              |    |                        |    |               |
| Crossing Status: Found  |                             |              |    |                        |    |               |
| UCIP Comments: Needs cleaning and clearing the culvert.   |                             |              |    |                        |    |               |
| FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.28)]. |                             |              |    |                        |    |               |
| FS Date: 3/7/2014   |                             |              |    |                        |    |               |

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>0.27</b> | Rating **    | M  | Issue No.  | <b>42 (cont)</b> |
| LM End   | <b>0.27</b> | Issue Type + | Ma | Location * |                  |

Photo 1 of 3 : UCIP\_SP\_2019\_32026\_58520.jpg



WS view: concrete headwall and grouted riprap spillway on levee slope.

Photo 2 of 3 : UCIP\_SP\_2019\_32026\_58519.jpg



WS view: U type concrete headwall and CMP on levee slope. Mud and vegetation debris on outlet box.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Butte County Department of Public Works

| Waterway                            | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|-------------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 04 Sycamore and Dry Creeks | Right | 2.86       | 04/09/2019<br>04/09/2019 | Makar Sokol |

|  |                             |              |    |                        |               |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.27                        | Rating **    | M  | Issue No.              | 42 (cont)     |
| LM End   | 0.27                        | Issue Type + | Ma | Location *             |               |
| Category   | Supplemental                |              |    | GPS Latitude/Longitude |               |
|  |                             |              |    | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |    | 39.776554 °            | 39.776554 °   |
|  |                             |              |    | -121.850730 °          | -121.850730 ° |
| DWR ID   | 19279                       |              |    |                        |               |
| Comment Code   |                             |              |    |                        |               |
|  |                             |              |    |                        |               |
| Inspector Comment  |                             |              |    |                        |               |
| FS_ID:32026<br>DS_ID:19279<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Needs cleaning and clearing the culvert.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.28)].<br>FS Date: 3/7/2014 |                             |              |    |                        |               |

Photo 3 of 3 : UCIP\_SP\_2019\_32026\_58518.jpg



LS view: U type concrete headwall and CMP on levee slope. Mud and pebbles on inlet box.

|  |                             |              |    |                        |               |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.33                        | Rating **    | M  | Issue No.              | 43            |
| LM End   | 0.33                        | Issue Type + | Ma | Location *             |               |
| Category   | Supplemental                |              |    | GPS Latitude/Longitude |               |
|  |                             |              |    | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |    | 39.775926 °            | 39.775926 °   |
|  |                             |              |    | -121.850647 °          | -121.850647 ° |
| DWR ID   | 19280                       |              |    |                        |               |
| Comment Code   |                             |              |    |                        |               |
|  |                             |              |    |                        |               |
| Inspector Comment  |                             |              |    |                        |               |
| FS_ID:32025<br>DS_ID:19280<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Slide gate in a CMP riser. Vegetation debris and mud on inlet box.Needs cleaning and clearing the culvert.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee and under the channel, 9.5 feet below the crown.<br>Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall on the landside (LS) end.<br>[Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.34)].<br>FS Date: 3/7/2014 |                             |              |    |                        |               |

Photo 1 of 3 : UCIP\_SP\_2019\_32025\_58512.jpg



WS view: slide gate in CMP riser on waterside shoulder.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Butte County Department of Public Works

| Waterway                            | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|-------------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 04 Sycamore and Dry Creeks | Right | 2.86       | 04/09/2019<br>04/09/2019 | Makar Sokol |

|  |                             |              |    |                        |               |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.33                        | Rating **    | M  | Issue No.              | 43 (cont)     |
| LM End   | 0.33                        | Issue Type + | Ma | Location *             |               |
| Category   | Supplemental                |              |    | GPS Latitude/Longitude |               |
|  |                             |              |    | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |    | 39.775926 °            | 39.775926 °   |
|  |                             |              |    | -121.850647 °          | -121.850647 ° |
| DWR ID   | 19280                       |              |    |                        |               |
| Comment Code   |                             |              |    |                        |               |
|  |                             |              |    |                        |               |
| Inspector Comment  |                             |              |    |                        |               |
| FS_ID:32025<br>DS_ID:19280<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Slide gate in a CMP riser. Vegetation debris and mud on inlet box.Needs cleaning and clearing the culvert.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee and under the channel, 9.5 feet below the crown.<br>Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall on the landside (LS) end.<br>[Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.34)].<br>FS Date: 3/7/2014 |                             |              |    |                        |               |

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>0.33</b> | Rating **    | M  | Issue No.  | <b>43 (cont)</b> |
| LM End   | <b>0.33</b> | Issue Type + | Ma | Location * |                  |

Photo 2 of 3 : UCIP\_SP\_2019\_32025\_58511.jpg



WS view: inside view of slide gate in CMP riser on waterside shoulder.  
Debris trapped in the riser.

Photo 3 of 3 : UCIP\_SP\_2019\_32025\_58510.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris and mud on inlet box.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Butte County Department of Public Works

| Waterway                            | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|-------------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 04 Sycamore and Dry Creeks | Right | 2.86       | 04/09/2019<br>04/09/2019 | Makar Sokol |

|   |                             |              |    |                        |               |
|---|-----------------------------|--------------|----|------------------------|---------------|
| LM Start  | 0.35                        | Rating **    | M  | Issue No.              | 44            |
| LM End  | 0.35                        | Issue Type + | Ma | Location *             |               |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |               |
|   |                             |              |    | Start                  | End           |
| Item  | DWR UCIP LMA Responsibility |              |    | 39.775682 °            | 39.775682 °   |
|   |                             |              |    | -121.850375 °          | -121.850375 ° |
| DWR ID  | 19281                       |              |    |                        |               |
| Comment Code  |                             |              |    |                        |               |
|   |                             |              |    |                        |               |
| Inspector Comment   |                             |              |    |                        |               |
| FS_ID:32023<br>DS_ID:19281<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Needs cleaning and clearing the culvert.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.36)].<br>FS Date: 3/7/2014 |                             |              |    |                        |               |

Photo 1 of 3 : UCIP\_SP\_2019\_32023\_58505.jpg



WS view: U type concrete headwall and CMP on levee slope. Vegetation debris and mud on outlet box. Needs cleaning and clearing.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>0.35</b> | Rating **    | M  | Issue No.  | <b>44 (cont)</b> |
| LM End   | <b>0.35</b> | Issue Type + | Ma | Location * |                  |

Photo 2 of 3 : UCIP\_SP\_2019\_32023\_58504.jpg



LS view: U type concrete headwall and CMP on levee slope. Pebbles and mud on inlet box.

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable  |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|  |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  |   |  |

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Butte County Department of Public Works**

| Waterway                            | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|-------------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 04 Sycamore and Dry Creeks | Right | 2.86       | 04/09/2019<br>04/09/2019 | Makar Sokol |

|   |                             |              |    |                        |           |               |
|---|-----------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start  | 0.35                        | Rating **    | M  | Issue No.              | 44 (cont) |               |
| LM End  | 0.35                        | Issue Type + | Ma | Location *             |           |               |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |           |               |
|   |                             |              |    | Start                  |           | End           |
| Item  | DWR UCIP LMA Responsibility |              |    | 39.775682 °            |           | 39.775682 °   |
|   |                             |              |    | -121.850375 °          |           | -121.850375 ° |
| DWR ID  | 19281                       |              |    |                        |           |               |
| Comment Code  |                             |              |    |                        |           |               |
|   |                             |              |    |                        |           |               |
| Inspector Comment   |                             |              |    |                        |           |               |
| FS_ID:32023<br>DS_ID:19281<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Needs cleaning and clearing the culvert.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.36)].<br>FS Date: 3/7/2014 |                             |              |    |                        |           |               |

Photo 3 of 3 : UCIP\_SP\_2019\_32023\_58503.jpg



LS view: inside view of the CM pipe. Needs cleaning and clearing the pipe.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.35                    | Rating **    | M  | Issue No.              | 21            |
| LM End   | 0.39                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Trim / Thin Trees       |              |    | 39.775672 °            | 39.775220 °   |
|  |                         |              |    | -121.850301 °          | -121.849805 ° |
| DWR ID   | DWR_NA0003_04_f_2016_21 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Trees smaller than 4-inches in diameter at chest height should be removed. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2019\_NA0003\_68\_21\_20190325\_00006.jpg



View of the overgrown trees along the landside toe.

|  |  |  |  |   |  |   |  |
|--|--|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Butte County Department of Public Works

| Waterway                            | Bank  | Unit Miles | Inspection Start/End     | Inspector      |
|-------------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 04 Sycamore and Dry Creeks | Right | 2.86       | 04/09/2019<br>04/09/2019 | Makar<br>Sokol |

|   |                           |              |    |                        |               |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start  | 0.63                      | Rating **    | M  | Issue No.              | 26            |
| LM End  | 0.63                      | Issue Type + | Ma | Location *             | WS            |
| Category  | Earthen Levee             |              |    | GPS Latitude/Longitude |               |
|   |                           |              |    | Start                  | End           |
| Item  | Erosion / Bank Caving     |              |    | 39.773988 °            | 39.773988 °   |
|   |                           |              |    | -121.846320 °          | -121.846320 ° |
| DWR ID  | DWR_NA0003_04_s _ 2019_26 |              |    |                        |               |
| Comment Code  |                           |              |    |                        |               |
| E2 : Schedule repair of erosion site prior to the next inspection.  |                           |              |    |                        |               |
| Inspector Comment   |                           |              |    |                        |               |
| Erosion rills are located in this area. The storm inlet on the landside may not be functioning properly and may impact ability to access the patrol road. |                           |              |    |                        |               |

No Photos

|   |                           |              |    |                        |               |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start  | 0.77                      | Rating **    | M  | Issue No.              | 32            |
| LM End  | 0.77                      | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee             |              |    | GPS Latitude/Longitude |               |
|   |                           |              |    | Start                  | End           |
| Item  | Encroachments             |              |    | 39.774198 °            | 39.774198 °   |
|   |                           |              |    | -121.849021 °          | -121.849021 ° |
| DWR ID  | DWR_NA0003_04_s _ 2019_32 |              |    |                        |               |
| Comment Code  |                           |              |    |                        |               |
| PR : Prunings   |                           |              |    |                        |               |
| Inspector Comment                                       |                           |              |    |                        |               |
| The prunings should be removed from the landside slope. |                           |              |    |                        |               |

No Photos

|  |                           |              |    |                        |               |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.83                      | Rating **    | M  | Issue No.              | 31            |
| LM End   | 0.83                      | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee             |              |    | GPS Latitude/Longitude |               |
|  |                           |              |    | Start                  | End           |
| Item   | Trim / Thin Trees         |              |    | 39.774801 °            | 39.774801 °   |
|  |                           |              |    | -121.849850 °          | -121.849850 ° |
| DWR ID   | DWR_NA0003_04_s _ 2019_31 |              |    |                        |               |
| Comment Code   |                           |              |    |                        |               |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. |                           |              |    |                        |               |
| Inspector Comment  |                           |              |    |                        |               |
| Trees smaller than 4-inches in diameter at chest height should be removed. |                           |              |    |                        |               |

No Photos

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|---|--|---|--|



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Butte County Department of Public Works**

| Waterway                            | Bank  | Unit Miles | Inspection Start/End     | Inspector      |
|-------------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 04 Sycamore and Dry Creeks | Right | 2.86       | 04/09/2019<br>04/09/2019 | Makar<br>Sokol |

|  |                           |              |    |                        |               |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.88                      | Rating **    | M  | Issue No.              | 29            |
| LM End   | 0.88                      | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee             |              |    | GPS Latitude/Longitude |               |
|  |                           |              |    | Start                  | End           |
| Item   | Vegetation                |              |    | 39.775362 °            | 39.775362 °   |
|  |                           |              |    | -121.850468 °          | -121.850468 ° |
| DWR ID   | DWR_NA0003_04_s _ 2019_29 |              |    |                        |               |
| Comment Code   |                           |              |    |                        |               |
| V2 : Remove the wild growth other than native grasses from the levee slopes. |                           |              |    |                        |               |
| Inspector Comment  |                           |              |    |                        |               |
|  |                           |              |    |                        |               |

No Photos

|  |                           |              |    |                        |               |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.91                      | Rating **    | M  | Issue No.              | 28            |
| LM End   | 0.91                      | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee             |              |    | GPS Latitude/Longitude |               |
|  |                           |              |    | Start                  | End           |
| Item   | Trim / Thin Trees         |              |    | 39.775610 °            | 39.775610 °   |
|  |                           |              |    | -121.850807 °          | -121.850807 ° |
| DWR ID   | DWR_NA0003_04_s _ 2019_28 |              |    |                        |               |
| Comment Code   |                           |              |    |                        |               |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. |                           |              |    |                        |               |
| Inspector Comment  |                           |              |    |                        |               |
|  |                           |              |    |                        |               |

No Photos

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Butte County Department of Public Works**

| Waterway                            | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|-------------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 04 Sycamore and Dry Creeks | Right | 2.86       | 04/09/2019<br>04/09/2019 | Makar Sokol |

|   |                             |              |    |                        |    |               |
|---|-----------------------------|--------------|----|------------------------|----|---------------|
| LM Start  | 0.92                        | Rating **    | M  | Issue No.              | 45 |               |
| LM End  | 0.92                        | Issue Type + | Ma | Location *             |    |               |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |    |               |
|   |                             |              |    | Start                  |    | End           |
| Item  | DWR UCIP LMA Responsibility |              |    | 39.775704 °            |    | 39.775704 °   |
|   |                             |              |    | -121.850901 °          |    | -121.850901 ° |
| DWR ID  | 19287                       |              |    |                        |    |               |
| Comment Code  |                             |              |    |                        |    |               |
|   |                             |              |    |                        |    |               |
| Inspector Comment   |                             |              |    |                        |    |               |
| FS_ID:32143   |                             |              |    |                        |    |               |
| DS_ID:19287   |                             |              |    |                        |    |               |
| EP_NO: N/A  |                             |              |    |                        |    |               |
| Repair Type: Non-Urgent   |                             |              |    |                        |    |               |
| Crossing Status: Found  |                             |              |    |                        |    |               |
| UCIP Comments: Needs cleaning and clearing the culvert.   |                             |              |    |                        |    |               |
| FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. |                             |              |    |                        |    |               |
| [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.96)].  |                             |              |    |                        |    |               |
| FS Date: 3/7/2014   |                             |              |    |                        |    |               |

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>0.92</b> | Rating **    | M  | Issue No.  | <b>45 (cont)</b> |
| LM End   | <b>0.92</b> | Issue Type + | Ma | Location * |                  |

Photo 1 of 2 : UCIP\_SP\_2019\_32143\_58641.jpg



WS view: U type concrete headwall and CMP on levee slope. Soil/mud on outlet box. Needs cleaning and clearing.

Photo 2 of 2 : UCIP\_SP\_2019\_32143\_58640.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation and mud on inlet box.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Butte County Department of Public Works

| Waterway                            | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|-------------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 04 Sycamore and Dry Creeks | Right | 2.86       | 04/09/2019<br>04/09/2019 | Makar Sokol |

|  |                             |              |    |                        |               |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.94                        | Rating **    | M  | Issue No.              | 47            |
| LM End   | 0.94                        | Issue Type + | Ma | Location *             |               |
| Category   | Supplemental                |              |    | GPS Latitude/Longitude |               |
|  |                             |              |    | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |    | 39.775899 °            | 39.775899 °   |
|  |                             |              |    | -121.851124 °          | -121.851124 ° |
| DWR ID   | 19288                       |              |    |                        |               |
| Comment Code   |                             |              |    |                        |               |
|  |                             |              |    |                        |               |
| Inspector Comment  |                             |              |    |                        |               |
| FS_ID:32144<br>DS_ID:19288<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Slide gate in CMP riser on waterside. No access to CMP riser.Needs cleaning and clearing the culvert.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee and under the channel, 9.5 feet below the crown. Slide gate in a pipe riser on the waterside (WS) slope. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.98)].<br>FS Date: 3/7/2014 |                             |              |    |                        |               |

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>0.94</b> | Rating **    | M  | Issue No.  | <b>47 (cont)</b> |
| LM End   | <b>0.94</b> | Issue Type + | Ma | Location * |                  |

Photo 1 of 3 : UCIP\_SP\_2019\_32144\_58644.jpg



LS view: U type concrete headwall of CMP culvert on levee slope. Vegetation debris and mud on inlet box.

Photo 2 of 3 : UCIP\_SP\_2019\_32144\_58643.jpg



LS view: close view of vegetation debris and mud on inlet box.

|  |  |  |  |   |  |   |  |
|--|--|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|--|--|---|--|---|--|



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Butte County Department of Public Works

| Waterway                            | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|-------------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 04 Sycamore and Dry Creeks | Right | 2.86       | 04/09/2019<br>04/09/2019 | Makar Sokol |

|  |                             |              |    |                        |               |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.94                        | Rating **    | M  | Issue No.              | 47 (cont)     |
| LM End   | 0.94                        | Issue Type + | Ma | Location *             |               |
| Category   | Supplemental                |              |    | GPS Latitude/Longitude |               |
|  |                             |              |    | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |    | 39.775899 °            | 39.775899 °   |
|  |                             |              |    | -121.851124 °          | -121.851124 ° |
| DWR ID   | 19288                       |              |    |                        |               |
| Comment Code   |                             |              |    |                        |               |
|  |                             |              |    |                        |               |
| Inspector Comment  |                             |              |    |                        |               |
| FS_ID:32144<br>DS_ID:19288<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Slide gate in CMP riser on waterside. No access to CMP riser.Needs cleaning and clearing the culvert.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee and under the channel, 9.5 feet below the crown. Slide gate in a pipe riser on the waterside (WS) slope. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.98)].<br>FS Date: 3/7/2014 |                             |              |    |                        |               |

Photo 3 of 3 : UCIP\_SP\_2019\_32144\_58642.jpg



WS view: slide gate in CMP riser on waterside. No access to CMP riser.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 1.04                    | Rating **    | M  | Issue No.              | 23            |
| LM End   | 1.04                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Vegetation              |              |    | 39.776589 °            | 39.776589 °   |
|  |                         |              |    | -121.852600 °          | -121.852600 ° |
| DWR ID   | DWR_NA0003_04_f_2016_23 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| V2 : Remove the wild growth other than native grasses from the levee slopes. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
|  |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2019\_NA0003\_68\_23\_20190325\_00007.jpg



View of the blackberries blocking visibility and access.

|  |   |   |
|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Butte County Department of Public Works**

| Waterway                            | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|-------------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 04 Sycamore and Dry Creeks | Right | 2.86       | 04/09/2019<br>04/09/2019 | Makar Sokol |

|  |                             |              |    |                        |    |               |
|--|-----------------------------|--------------|----|------------------------|----|---------------|
| LM Start   | 1.11                        | Rating **    | M  | Issue No.              | 48 |               |
| LM End   | 1.11                        | Issue Type + | Ma | Location *             |    |               |
| Category   | Supplemental                |              |    | GPS Latitude/Longitude |    |               |
|  |                             |              |    | Start                  |    | End           |
| Item   | DWR UCIP LMA Responsibility |              |    | 39.776709 °            |    | 39.776709 °   |
|  |                             |              |    | -121.853932 °          |    | -121.853932 ° |
| DWR ID   | 19289                       |              |    |                        |    |               |
| Comment Code   |                             |              |    |                        |    |               |
|  |                             |              |    |                        |    |               |
| Inspector Comment  |                             |              |    |                        |    |               |
| FS_ID:31963<br>DS_ID:19289<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Needs cleaning and clearing the culvert.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 1.15)].<br>FS Date: 3/7/2014 |                             |              |    |                        |    |               |

|          |      |              |    |            |           |
|----------|------|--------------|----|------------|-----------|
| LM Start | 1.11 | Rating **    | M  | Issue No.  | 48 (cont) |
| LM End   | 1.11 | Issue Type + | Ma | Location * |           |

Photo 1 of 3 : UCIP\_SP\_2019\_31963\_58384.jpg



WS view: U type concrete headwall and CMP on levee slope. Vegetation debris and mud on outlet box. Needs cleaning and clearing.

Photo 2 of 3 : UCIP\_SP\_2019\_31963\_58383.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris and mud on inlet box.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Butte County Department of Public Works**

| Waterway                            | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|-------------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 04 Sycamore and Dry Creeks | Right | 2.86       | 04/09/2019<br>04/09/2019 | Makar Sokol |

|  |                             |              |    |                        |           |               |
|--|-----------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start   | 1.11                        | Rating **    | M  | Issue No.              | 48 (cont) |               |
| LM End   | 1.11                        | Issue Type + | Ma | Location *             |           |               |
| Category   | Supplemental                |              |    | GPS Latitude/Longitude |           |               |
|  |                             |              |    | Start                  |           | End           |
| Item   | DWR UCIP LMA Responsibility |              |    | 39.776709 °            |           | 39.776709 °   |
|  |                             |              |    | -121.853932 °          |           | -121.853932 ° |
| DWR ID   | 19289                       |              |    |                        |           |               |
| Comment Code   |                             |              |    |                        |           |               |
|  |                             |              |    |                        |           |               |
| Inspector Comment  |                             |              |    |                        |           |               |
| FS_ID:31963<br>DS_ID:19289<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Needs cleaning and clearing the culvert.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 1.15)].<br>FS Date: 3/7/2014 |                             |              |    |                        |           |               |

Photo 3 of 3 : UCIP\_SP\_2019\_31963\_58385.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 1.16                    | Rating **    | M  | Issue No.              | 17            |
| LM End  | 1.22                    | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Trim / Thin Trees       |              |    | 39.777128 °            | 39.777580 °   |
|   |                         |              |    | -121.854763 °          | -121.855612 ° |
| DWR ID  | DWR_NA0003_04_f_2015_17 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| T2 : Thin trees to allow visibility of the ground and room to flood fight.                                    |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
| Trees smaller than 4-inches in diameter at chest height should be removed. All other trees should be trimmed. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2019\_NA0003\_68\_17\_20190325\_00004.jpg



View of the trees overhanging the levee slope.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Butte County Department of Public Works**

| Waterway                            | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|-------------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 04 Sycamore and Dry Creeks | Right | 2.86       | 04/09/2019<br>04/09/2019 | Makar Sokol |

|  |                             |              |    |                        |               |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start   | 1.35                        | Rating **    | M  | Issue No.              | 49            |
| LM End   | 1.35                        | Issue Type + | Ma | Location *             |               |
| Category   | Supplemental                |              |    | GPS Latitude/Longitude |               |
|  |                             |              |    | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |    | 39.778370 °            | 39.778370 °   |
|  |                             |              |    | -121.857904 °          | -121.857904 ° |
| DWR ID   | 19290                       |              |    |                        |               |
| Comment Code   |                             |              |    |                        |               |
|  |                             |              |    |                        |               |
| Inspector Comment  |                             |              |    |                        |               |
| FS_ID:31964<br>DS_ID:19290<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Needs cleaning and clearing the culvert.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 13 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 1.41)].<br>FS Date: 3/7/2014 |                             |              |    |                        |               |

|          |      |              |    |            |           |
|----------|------|--------------|----|------------|-----------|
| LM Start | 1.35 | Rating **    | M  | Issue No.  | 49 (cont) |
| LM End   | 1.35 | Issue Type + | Ma | Location * |           |

Photo 1 of 2 : UCIP\_SP\_2019\_31964\_58389.jpg



WS view: U type concrete headwall and CMP on levee slope. Vegetation debris and mud in outlet box. Needs cleaning and clearing.

Photo 2 of 2 : UCIP\_SP\_2019\_31964\_58388.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris and mud in inlet box.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Butte County Department of Public Works

| Waterway                            | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|-------------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 04 Sycamore and Dry Creeks | Right | 2.86       | 04/09/2019<br>04/09/2019 | Makar Sokol |

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 2.00                    | Rating **    | M  | Issue No.              | 34            |
| LM End   | 2.00                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Trim / Thin Trees       |              |    | 39.781217 °            | 39.781217 °   |
|  |                         |              |    | -121.869124 °          | -121.869124 ° |
| DWR ID   | DWR_NA0003_04_s_2019_34 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
|  |                         |              |    |                        |               |

No Photos

|  |                             |              |    |                        |               |  |
|--|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start   | 2.15                        | Rating **    | M  | Issue No.              | 50            |  |
| LM End   | 2.15                        | Issue Type + | Ma | Location *             |               |  |
| Category   | Supplemental                |              |    | GPS Latitude/Longitude |               |  |
|  |                             |              |    | Start                  | End           |  |
| Item   | DWR UCIP LMA Responsibility |              |    | 39.782777 °            | 39.782777 °   |  |
|  |                             |              |    | -121.871179 °          | -121.871179 ° |  |
| DWR ID   | 19291                       |              |    |                        |               |  |
| Comment Code   |                             |              |    |                        |               |  |
|  |                             |              |    |                        |               |  |
| Inspector Comment  |                             |              |    |                        |               |  |
| FS_ID:31965  |                             |              |    |                        |               |  |
| DS_ID:19291  |                             |              |    |                        |               |  |
| EP_NO: N/A   |                             |              |    |                        |               |  |
| Repair Type: Non-Urgent  |                             |              |    |                        |               |  |
| Crossing Status: Found   |                             |              |    |                        |               |  |
| UCIP Comments: Needs cleaning and clearing the culvert.                |                             |              |    |                        |               |  |
| FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe      |                             |              |    |                        |               |  |
| through the levee, 11 feet below the crown. Flap gate on the waterside |                             |              |    |                        |               |  |
| (WS) end. Concrete U-shaped headwall on each end. Grouted riprap       |                             |              |    |                        |               |  |
| apron on the landside (LS) end. Grouted riprap spillway on the WS end. |                             |              |    |                        |               |  |
| [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento        |                             |              |    |                        |               |  |
| O&M Manual 504, May 1965, (HLM 2.22)].                                 |                             |              |    |                        |               |  |
| FS Date: 3/7/2014  |                             |              |    |                        |               |  |

Photo 1 of 3 : UCIP\_SP\_2019\_31965\_58395.jpg



WS view: U type concrete headwall and CMP on levee slope. Vegetation debris and mud in outlet box. Needs cleaning and clearing.

|  |   |   |
|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br><br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Butte County Department of Public Works**

| Waterway                            | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|-------------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 04 Sycamore and Dry Creeks | Right | 2.86       | 04/09/2019<br>04/09/2019 | Makar Sokol |

|  |                             |              |    |                        |           |               |
|--|-----------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start   | 2.15                        | Rating **    | M  | Issue No.              | 50 (cont) |               |
| LM End   | 2.15                        | Issue Type + | Ma | Location *             |           |               |
| Category   | Supplemental                |              |    | GPS Latitude/Longitude |           |               |
|  |                             |              |    | Start                  |           | End           |
| Item   | DWR UCIP LMA Responsibility |              |    | 39.782777 °            |           | 39.782777 °   |
|  |                             |              |    | -121.871179 °          |           | -121.871179 ° |
| DWR ID   | 19291                       |              |    |                        |           |               |
| Comment Code   |                             |              |    |                        |           |               |
|  |                             |              |    |                        |           |               |
| Inspector Comment  |                             |              |    |                        |           |               |
| FS_ID:31965<br>DS_ID:19291<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Needs cleaning and clearing the culvert.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 2.22)].<br>FS Date: 3/7/2014 |                             |              |    |                        |           |               |

|          |      |              |    |            |           |
|----------|------|--------------|----|------------|-----------|
| LM Start | 2.15 | Rating **    | M  | Issue No.  | 50 (cont) |
| LM End   | 2.15 | Issue Type + | Ma | Location * |           |

Photo 2 of 3 : UCIP\_SP\_2019\_31965\_58394.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris and mud in inlet box.

Photo 3 of 3 : UCIP\_SP\_2019\_31965\_58393.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Butte County Department of Public Works

| Waterway                            | Bank  | Unit Miles | Inspection Start/End     | Inspector      |
|-------------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 04 Sycamore and Dry Creeks | Right | 2.86       | 04/09/2019<br>04/09/2019 | Makar<br>Sokol |

|  |                           |              |    |                        |               |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start   | 2.37                      | Rating **    | M  | Issue No.              | 39            |
| LM End   | 2.37                      | Issue Type + | Ma | Location *             | CR            |
| Category   | Earthen Levee             |              |    | GPS Latitude/Longitude |               |
|  |                           |              |    | Start                  | End           |
| Item   | Trim / Thin Trees         |              |    | 39.783468 °            | 39.783468 °   |
|  |                           |              |    | -121.875187 °          | -121.875187 ° |
| DWR ID   | DWR_NA0003_04_s _ 2019_39 |              |    |                        |               |
| Comment Code   |                           |              |    |                        |               |
| T4 : Trim trees over roadway to at least 12 feet above ground level. |                           |              |    |                        |               |
| Inspector Comment  |                           |              |    |                        |               |
|  |                           |              |    |                        |               |

No Photos

|  |                           |              |    |                        |               |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start   | 2.40                      | Rating **    | M  | Issue No.              | 40            |
| LM End   | 2.40                      | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee             |              |    | GPS Latitude/Longitude |               |
|  |                           |              |    | Start                  | End           |
| Item   | Trim / Thin Trees         |              |    | 39.783674 °            | 39.783674 °   |
|  |                           |              |    | -121.875656 °          | -121.875656 ° |
| DWR ID   | DWR_NA0003_04_s _ 2019_40 |              |    |                        |               |
| Comment Code   |                           |              |    |                        |               |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. |                           |              |    |                        |               |
| Inspector Comment  |                           |              |    |                        |               |
| Trees smaller than 4-inches in diamater at chest height should be removed. |                           |              |    |                        |               |

No Photos

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Butte County Department of Public Works

| Waterway                            | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|-------------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 04 Sycamore and Dry Creeks | Right | 2.86       | 04/09/2019<br>04/09/2019 | Makar Sokol |

|   |                             |              |    |                        |               |
|---|-----------------------------|--------------|----|------------------------|---------------|
| LM Start  | 2.47                        | Rating **    | M  | Issue No.              | 51            |
| LM End  | 2.47                        | Issue Type + | Ma | Location *             |               |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |               |
|   |                             |              |    | Start                  | End           |
| Item  | DWR UCIP LMA Responsibility |              |    | 39.784244 °            | 39.784244 °   |
|   |                             |              |    | -121.876810 °          | -121.876810 ° |
| DWR ID  | 19292                       |              |    |                        |               |
| Comment Code  |                             |              |    |                        |               |
|   |                             |              |    |                        |               |
| Inspector Comment   |                             |              |    |                        |               |
| FS_ID:31966   |                             |              |    |                        |               |
| DS_ID:19292   |                             |              |    |                        |               |
| EP_NO: N/A  |                             |              |    |                        |               |
| Repair Type: Non-Urgent   |                             |              |    |                        |               |
| Crossing Status: Found  |                             |              |    |                        |               |
| UCIP Comments: Needs cleaning and clearing the culvert.   |                             |              |    |                        |               |
| FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 2.56)]. |                             |              |    |                        |               |
| FS Date: 3/7/2014   |                             |              |    |                        |               |

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>2.47</b> | Rating **    | M  | Issue No.  | <b>51 (cont)</b> |
| LM End   | <b>2.47</b> | Issue Type + | Ma | Location * |                  |

Photo 1 of 3 : UCIP\_SP\_2019\_31966\_58401.jpg



WS view: U type concrete headwall and grouted riprap spillway on levee slope.

Photo 2 of 3 : UCIP\_SP\_2019\_31966\_58400.jpg



WS view: U type concrete headwall and CMP on levee slope. Vegetation debris and mud on outlet box. Needs cleaning and clearing.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Butte County Department of Public Works**

| Waterway                            | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|-------------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 04 Sycamore and Dry Creeks | Right | 2.86       | 04/09/2019<br>04/09/2019 | Makar Sokol |

|  |                             |              |    |                        |           |               |
|--|-----------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start   | 2.47                        | Rating **    | M  | Issue No.              | 51 (cont) |               |
| LM End   | 2.47                        | Issue Type + | Ma | Location *             |           |               |
| Category   | Supplemental                |              |    | GPS Latitude/Longitude |           |               |
|  |                             |              |    | Start                  |           | End           |
| Item   | DWR UCIP LMA Responsibility |              |    | 39.784244 °            |           | 39.784244 °   |
|  |                             |              |    | -121.876810 °          |           | -121.876810 ° |
| DWR ID   | 19292                       |              |    |                        |           |               |
| Comment Code   |                             |              |    |                        |           |               |
|  |                             |              |    |                        |           |               |
| Inspector Comment  |                             |              |    |                        |           |               |
| FS_ID:31966<br>DS_ID:19292<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Needs cleaning and clearing the culvert.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 2.56)].<br>FS Date: 3/7/2014 |                             |              |    |                        |           |               |

Photo 3 of 3 : UCIP\_SP\_2019\_31966\_58399.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris and mud in pipe and inlet box.

|  |   |   |
|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br><br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Butte County Department of Public Works

| Waterway                        | Bank | Unit Miles | Inspection Start/End     | Inspector   |
|---------------------------------|------|------------|--------------------------|-------------|
| Unit No. 05 Big Chico Diversion | Left | 1.85       | 04/09/2019<br>04/09/2019 | Makar Sokol |

|  |                        |              |    |                        |               |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.03                   | Rating **    | M  | Issue No.              | 1             |
| LM End   | 0.20                   | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|  |                        |              |    | Start                  | End           |
| Item   | Vegetation             |              |    | 39.763164 °            | 39.761860 °   |
|  |                        |              |    | -121.790335 °          | -121.792635 ° |
| DWR ID   | DWR_NA0003_05_s_2012_1 |              |    |                        |               |
| Comment Code   |                        |              |    |                        |               |
| V2 : Remove the wild growth other than native grasses from the levee slopes. |                        |              |    |                        |               |
| Inspector Comment  |                        |              |    |                        |               |
|  |                        |              |    |                        |               |

Photo 1 of 1 : SP\_2019\_NA0003\_69\_1\_20190412\_00005.jpg



View of the wild growth on the landside slope. Spring 2019.

|  |                        |              |    |                        |               |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.08                   | Rating **    | M  | Issue No.              | 4             |
| LM End   | 0.08                   | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|  |                        |              |    | Start                  | End           |
| Item   | Vegetation             |              |    | 39.762693 °            | 39.762693 °   |
|  |                        |              |    | -121.790925 °          | -121.790925 ° |
| DWR ID   | DWR_NA0003_05_s_2019_4 |              |    |                        |               |
| Comment Code   |                        |              |    |                        |               |
| V2 : Remove the wild growth other than native grasses from the levee slopes. |                        |              |    |                        |               |
| Inspector Comment  |                        |              |    |                        |               |
|  |                        |              |    |                        |               |

No Photos

|  |                        |              |    |                        |               |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.21                   | Rating **    | M  | Issue No.              | 5             |
| LM End   | 0.21                   | Issue Type + | Ma | Location *             | CR            |
| Category   | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|  |                        |              |    | Start                  | End           |
| Item   | Encroachments          |              |    | 39.761931 °            | 39.761931 °   |
|  |                        |              |    | -121.792850 °          | -121.792850 ° |
| DWR ID   | DWR_NA0003_05_s_2019_5 |              |    |                        |               |
| Comment Code   |                        |              |    |                        |               |
| DE : Debris  |                        |              |    |                        |               |
| Inspector Comment  |                        |              |    |                        |               |
| The pile of wood should be removed from the levee crown. |                        |              |    |                        |               |

No Photos

|  |  |  |   |
|--|--|--|---|
| <b>* Location</b><br>LS : Land Side<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | <b>N : Not Inspected/Rated</b><br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Butte County Department of Public Works

| Waterway                        | Bank | Unit Miles | Inspection Start/End     | Inspector   |
|---------------------------------|------|------------|--------------------------|-------------|
| Unit No. 05 Big Chico Diversion | Left | 1.85       | 04/09/2019<br>04/09/2019 | Makar Sokol |

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.42                    | Rating **    | M  | Issue No.              | 11            |
| LM End   | 0.42                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Slope Stability         |              |    | 39.761077 °            | 39.761077 °   |
|  |                         |              |    | -121.796576 °          | -121.796576 ° |
| DWR ID   | DWR_NA0003_05_f_2016_11 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| S2 : Repair the levee slope damaged by foot traffic and prevent access where possible. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
|  |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2019\_NA0003\_69\_11\_20190325\_00001.jpg



View of the damaged slope by foot traffic.

|  |                        |              |    |                        |               |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.50                   | Rating **    | M  | Issue No.              | 2             |
| LM End   | 0.82                   | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|  |                        |              |    | Start                  | End           |
| Item   | Vegetation             |              |    | 39.761844 °            | 39.763527 °   |
|  |                        |              |    | -121.797331 °          | -121.802549 ° |
| DWR ID   | DWR_NA0003_05_s_2019_2 |              |    |                        |               |
| Comment Code   |                        |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                        |              |    |                        |               |
| Inspector Comment  |                        |              |    |                        |               |
|  |                        |              |    |                        |               |

No Photos

|   |                        |              |     |                        |               |
|---|------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 0.89                   | Rating **    | A/W | Issue No.              | 6             |
| LM End  | 0.89                   | Issue Type + | Ma  | Location *             | LS            |
| Category  | Earthen Levee          |              |     | GPS Latitude/Longitude |               |
|   |                        |              |     | Start                  | End           |
| Item  | Vegetation             |              |     | 39.764397 °            | 39.764397 °   |
|   |                        |              |     | -121.803335 °          | -121.803335 ° |
| DWR ID  | DWR_NA0003_05_f_2014_6 |              |     |                        |               |
| Comment Code  |                        |              |     |                        |               |
| V4 : Elderberries are blocking visibility and flood fight capability.         |                        |              |     |                        |               |
| Inspector Comment   |                        |              |     |                        |               |
| Trim branches 1-inch in diameter or less to keep bush from becoming an issue. |                        |              |     |                        |               |

No Photos

|                 |                      |                          |   |                                   |  |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location      |                      | ** Rating                |   | + Issue Type                      |  |
| LS : Land Side  | N/A : Not Applicable | A : Acceptable           | N : Not Inspected/Rated                 | Ma : Maintenance Deficiency       |  |
| WS : Water Side |                      | M : Minimally Acceptable | C : Corrected                           | Ob : Design & System Obsolescence |  |
| CR : Crown      |                      | U : Unacceptable         | A/W : Acceptable but Monitor & Maintain | En : Enforcement                  |  |

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Butte County Department of Public Works

| Waterway                        | Bank | Unit Miles | Inspection Start/End     | Inspector      |
|---------------------------------|------|------------|--------------------------|----------------|
| Unit No. 05 Big Chico Diversion | Left | 1.85       | 04/09/2019<br>04/09/2019 | Makar<br>Sokol |

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 1.19                    | Rating **    | M  | Issue No.              | 12            |
| LM End   | 1.19                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Slope Stability         |              |    | 39.767958 °            | 39.767958 °   |
|  |                         |              |    | -121.806326 °          | -121.806326 ° |
| DWR ID   | DWR_NA0003_05_s_2019_12 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| S2 : Repair the levee slope damaged by foot traffic and prevent access where possible. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
|  |                         |              |    |                        |               |

No Photos

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 1.25                    | Rating **    | M  | Issue No.              | 13            |
| LM End   | 1.25                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Slope Stability         |              |    | 39.768621 °            | 39.768621 °   |
|  |                         |              |    | -121.807052 °          | -121.807052 ° |
| DWR ID   | DWR_NA0003_05_f_2016_13 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| S2 : Repair the levee slope damaged by foot traffic and prevent access where possible. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
|  |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2019\_NA0003\_69\_13\_20190325\_00002.jpg



View of the damaged slope by foot traffic.

|                                     |                         |              |     |                        |               |
|-------------------------------------|-------------------------|--------------|-----|------------------------|---------------|
| LM Start                            | 1.49                    | Rating **    | A/W | Issue No.              | 17            |
| LM End                              | 1.49                    | Issue Type + | Ma  | Location *             | WS            |
| Category                            | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|                                     |                         |              |     | Start                  | End           |
| Item                                | Erosion / Bank Caving   |              |     | 39.771379 °            | 39.771379 °   |
|                                     |                         |              |     | -121.809849 °          | -121.809849 ° |
| DWR ID                              | DWR_NA0003_05_s_2019_17 |              |     |                        |               |
| Comment Code                        |                         |              |     |                        |               |
| E1 : Note and monitor erosion site. |                         |              |     |                        |               |
| Inspector Comment                   |                         |              |     |                        |               |
|                                     |                         |              |     |                        |               |

No Photos

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|